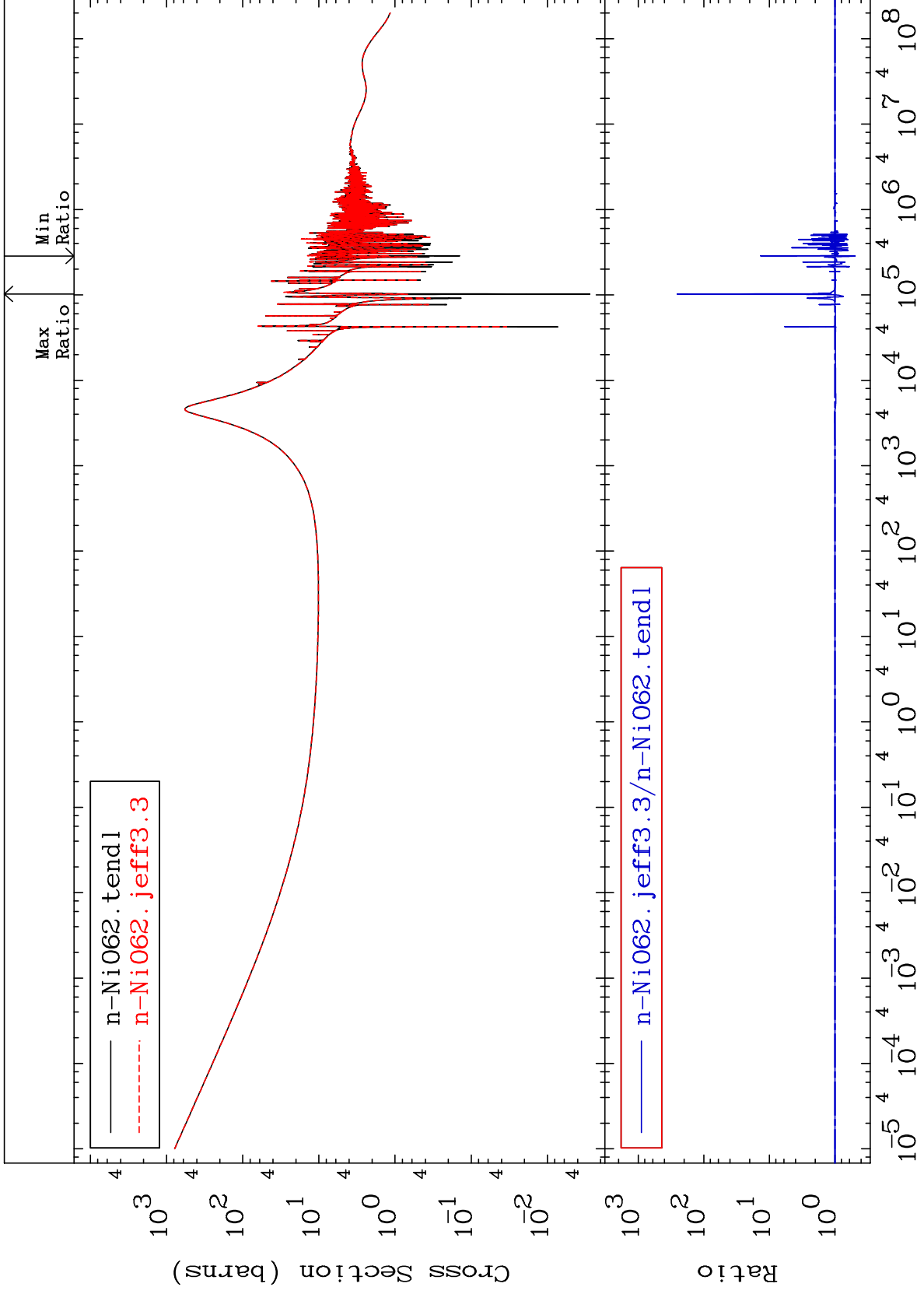


MAT 2837

Total
Cross Section

28-Ni-62
-50.56 To 9999. %



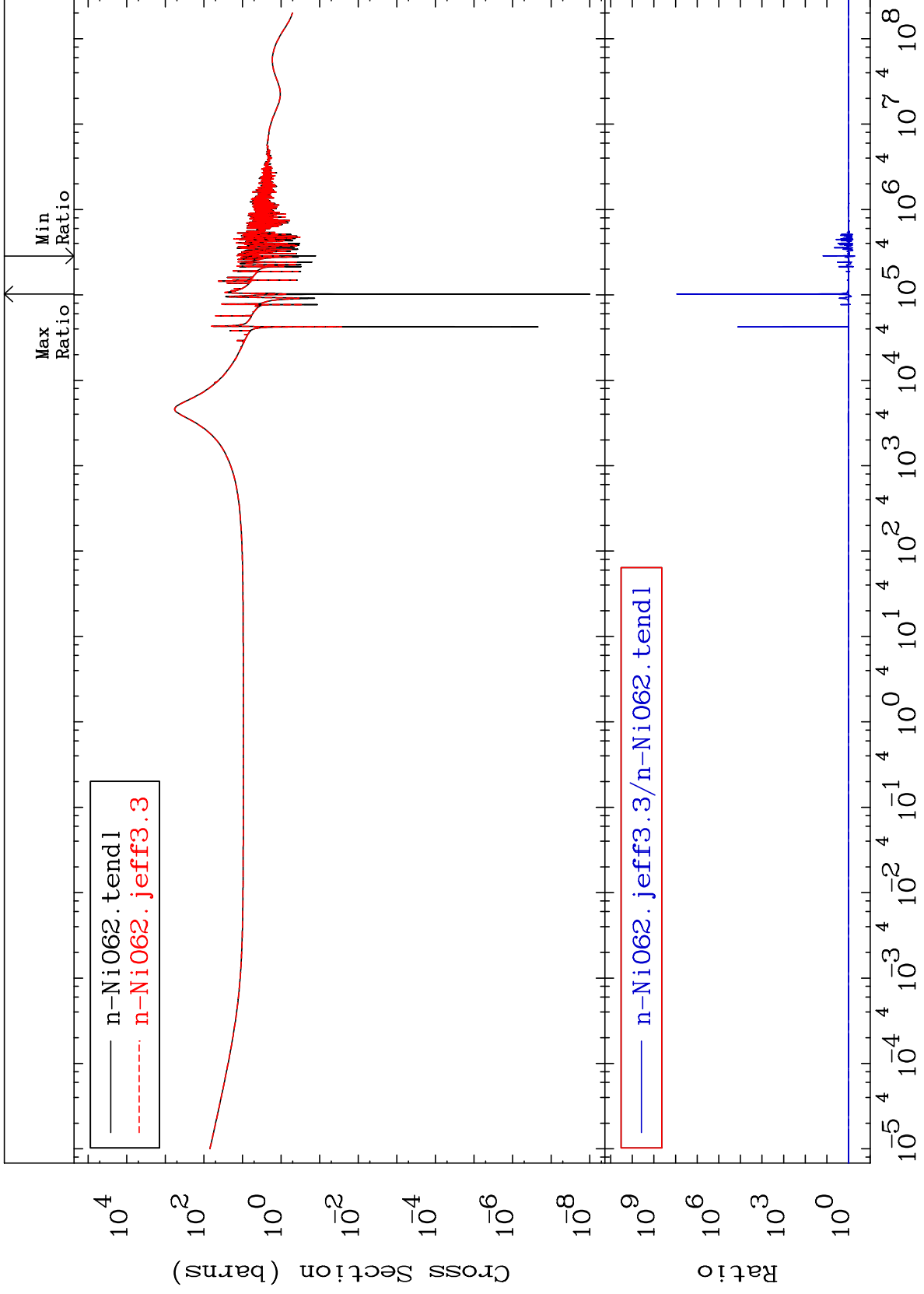
Incident Energy (eV)

28-Ni-62

MAT 2837

Elastic
Cross Section

28-Ni-62
-50.62 To 9999. %



MAT 2837

28-Ni-62

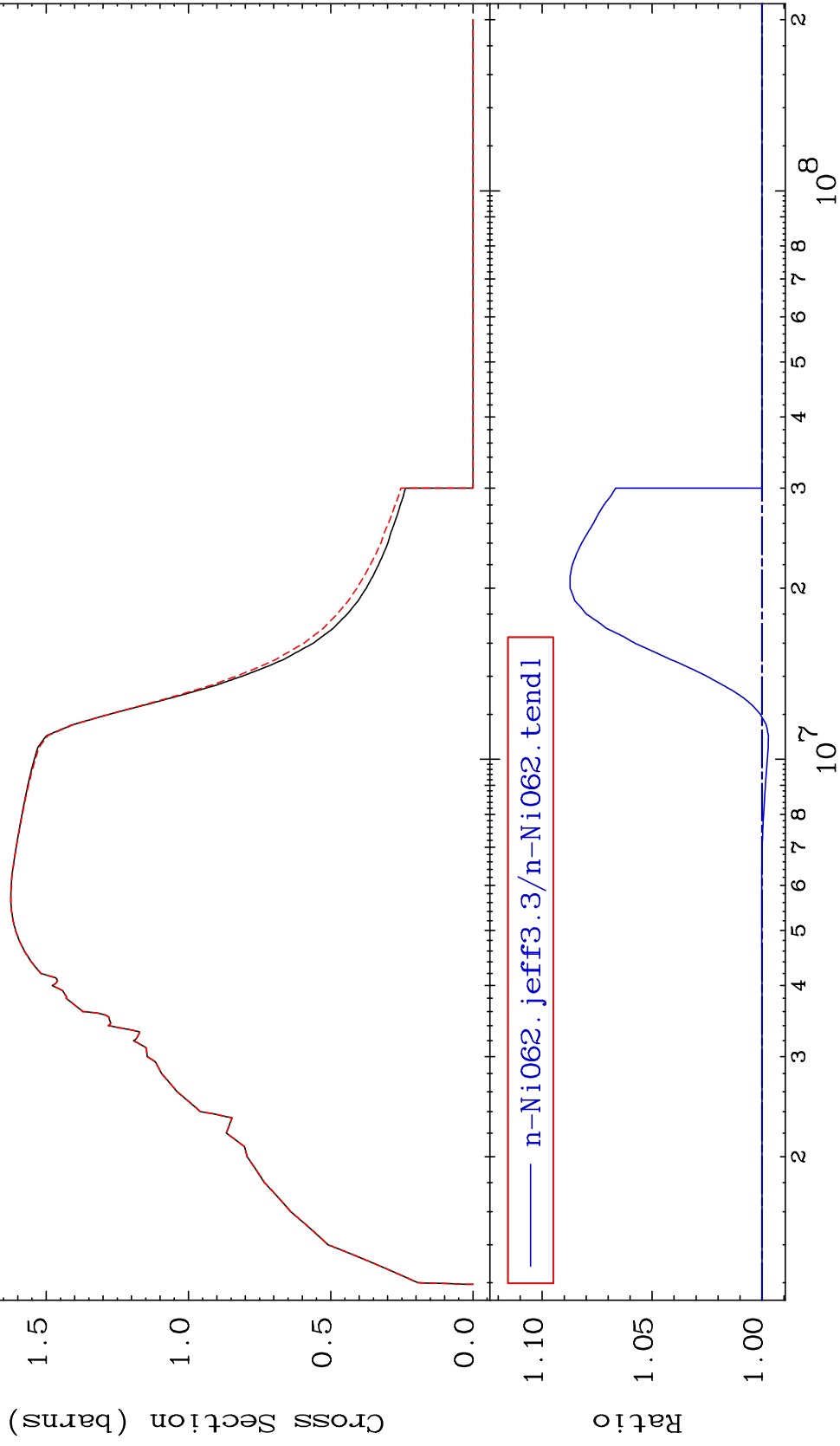
-0.293 To 8.731 %

Inelastic
Cross Section

Min Ratio

Max Ratio

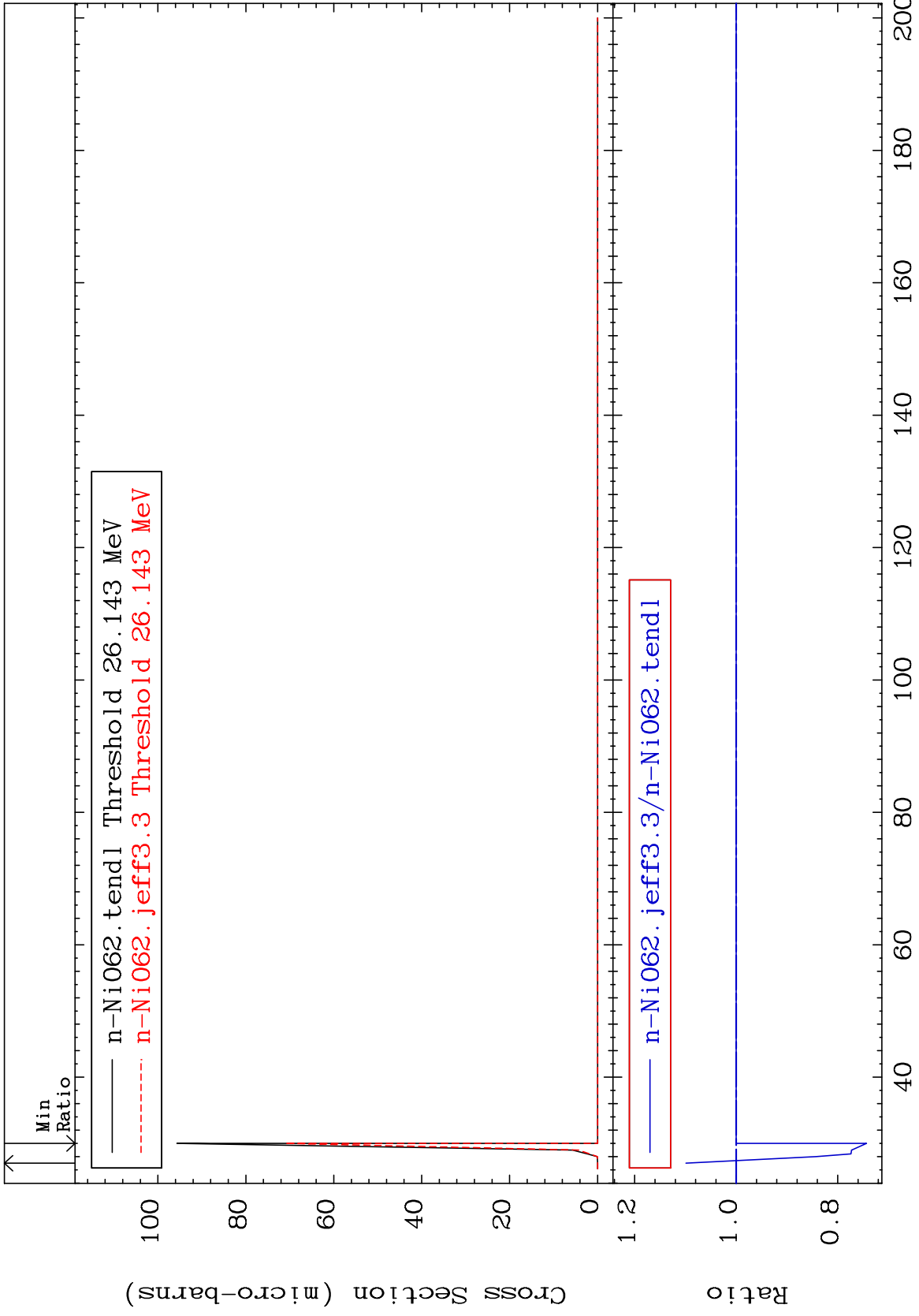
— n-Ni062.tendl Threshold 1.1921 MeV
- - - n-Ni062.jeff3.3 Threshold 1.1921 MeV



MAT 2837

(n,2n) d
Cross Section

28-Ni-62
-25.67 To 9.902 %



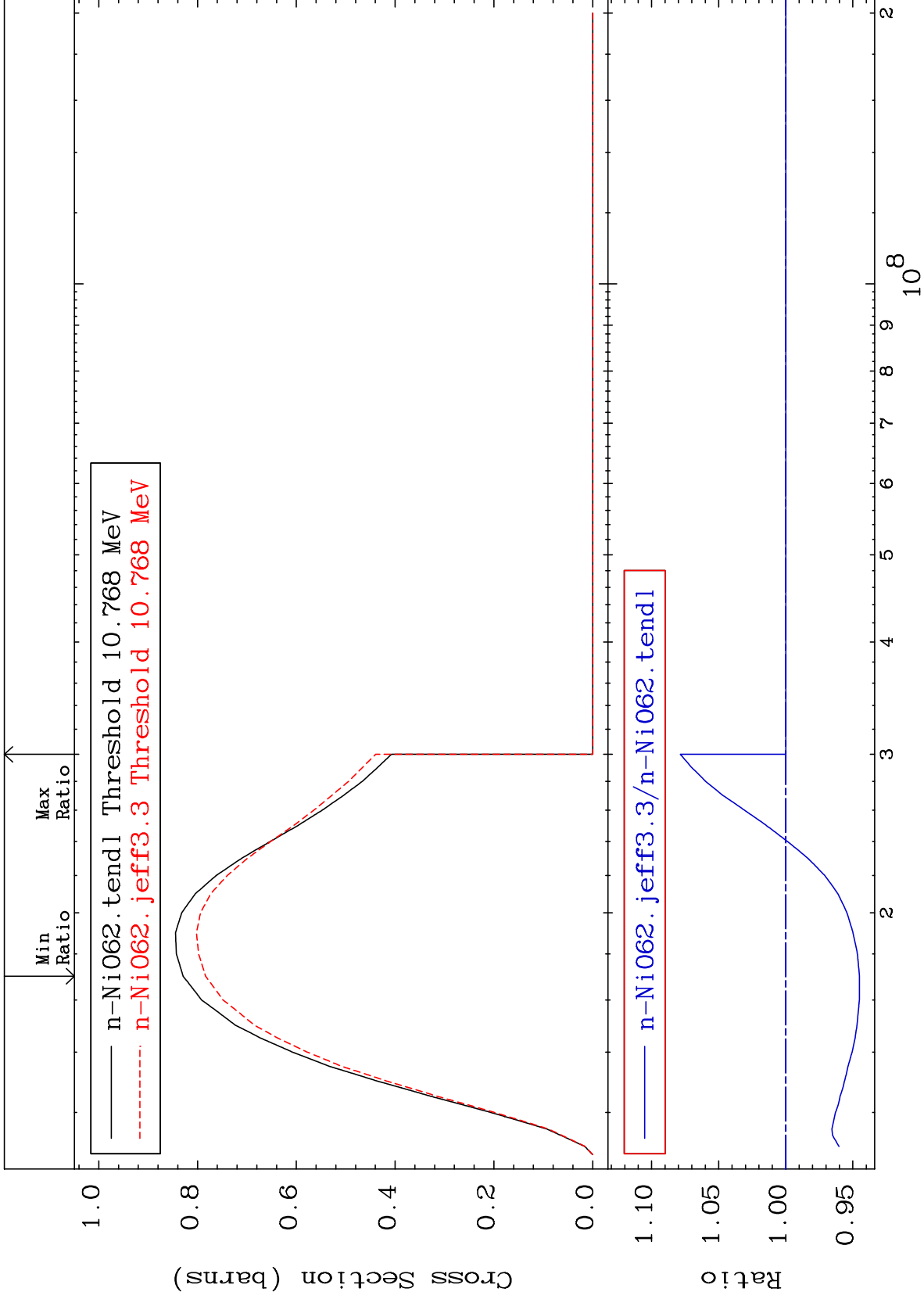
MAT 2837

(n,2n)

28-Ni-62

Cross Section

-5.494 To 7.855 %



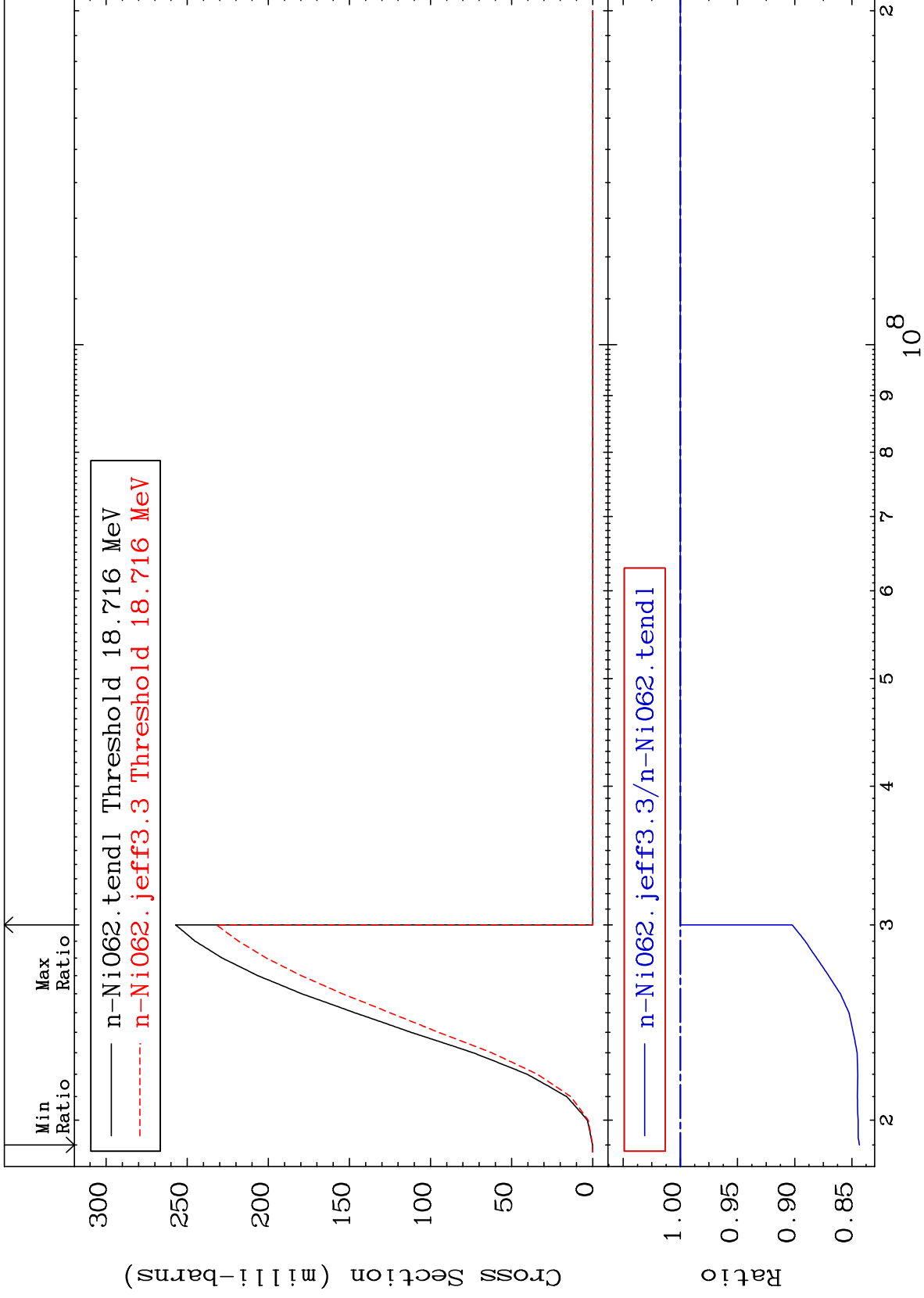
MAT 2837

(n,3n)

28-Ni-62

Cross Section

-15.66 To 0.000 %



6

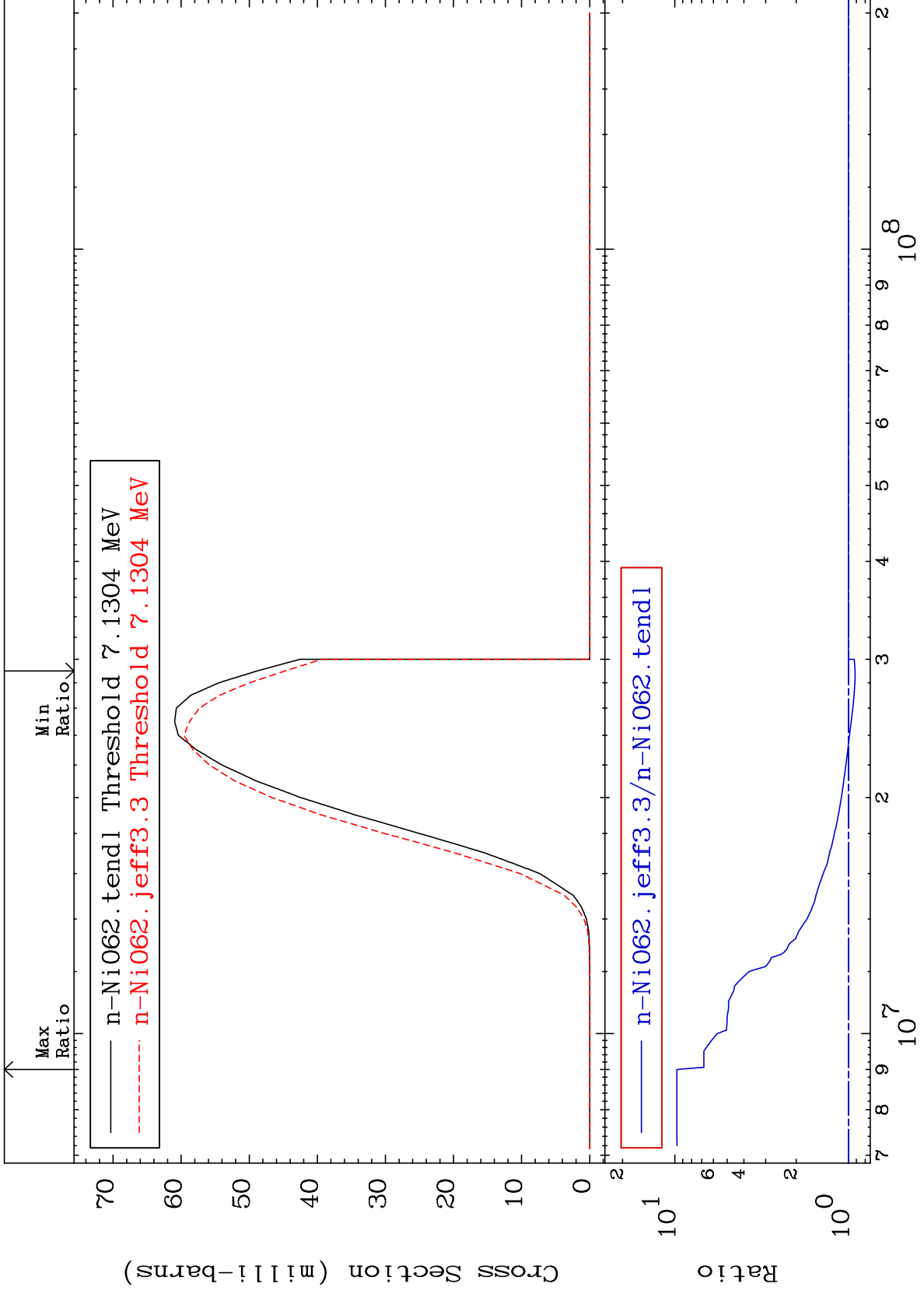
Incident Energy (eV)

28-Ni-62

MAT 2837

(n,n') α
Cross Section

28-Ni-62
-8.441 To 872.5 %



7

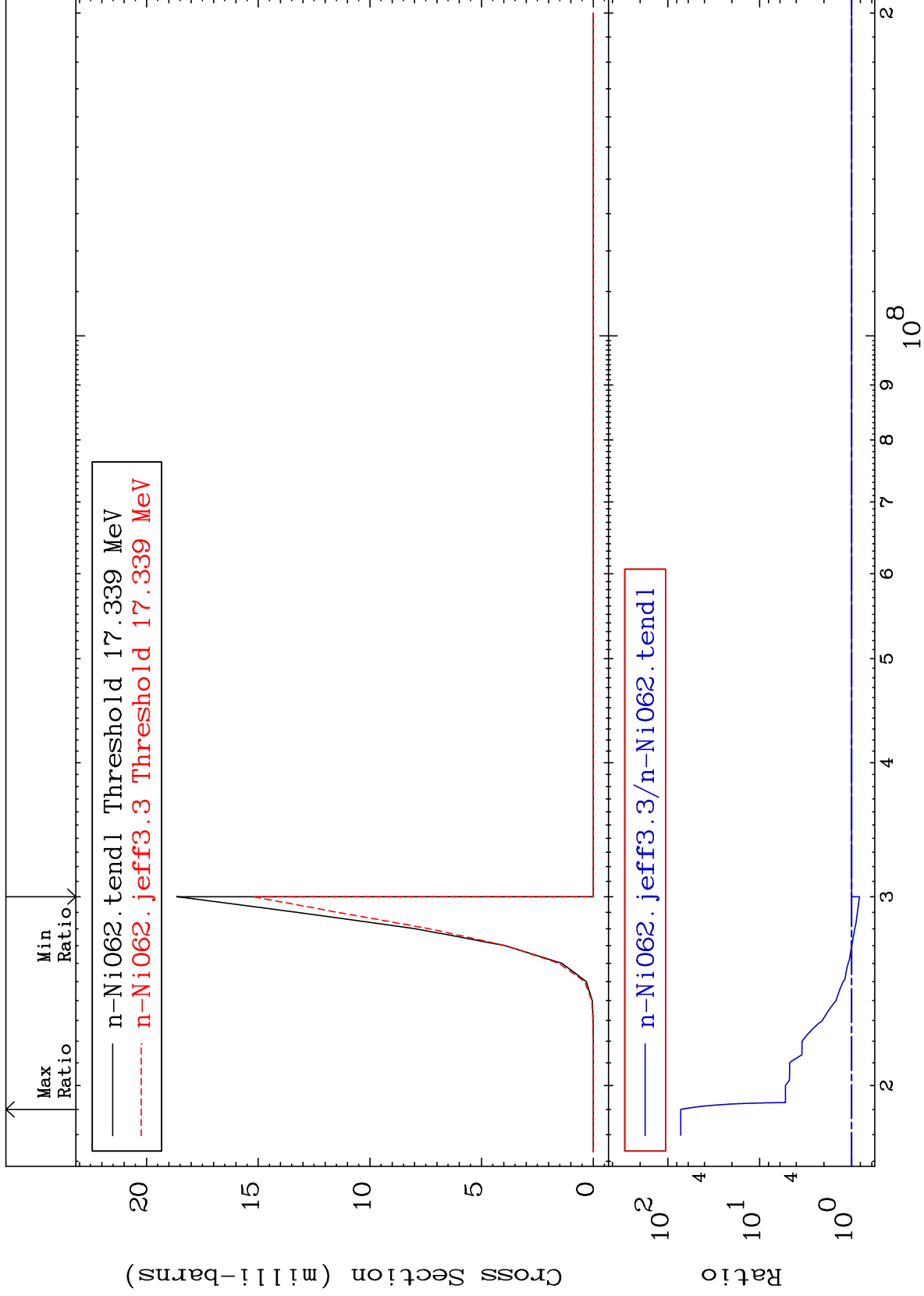
Incident Energy (eV)

28-Ni-62

MAT 2837

(n,2n) α
Cross Section

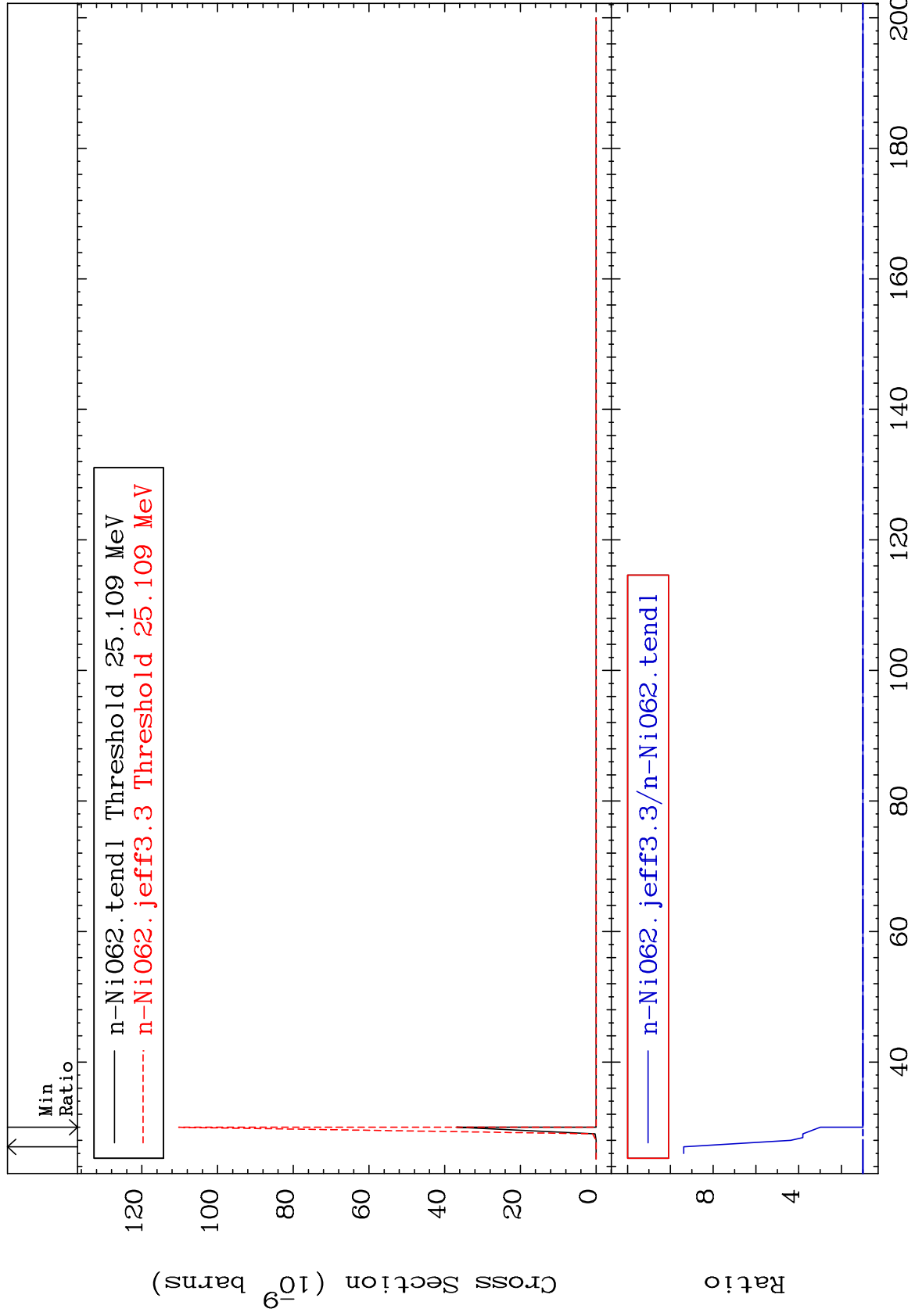
28-Ni-62
-18.20 To 7125. %



MAT 2837

(n,3n) α
Cross Section

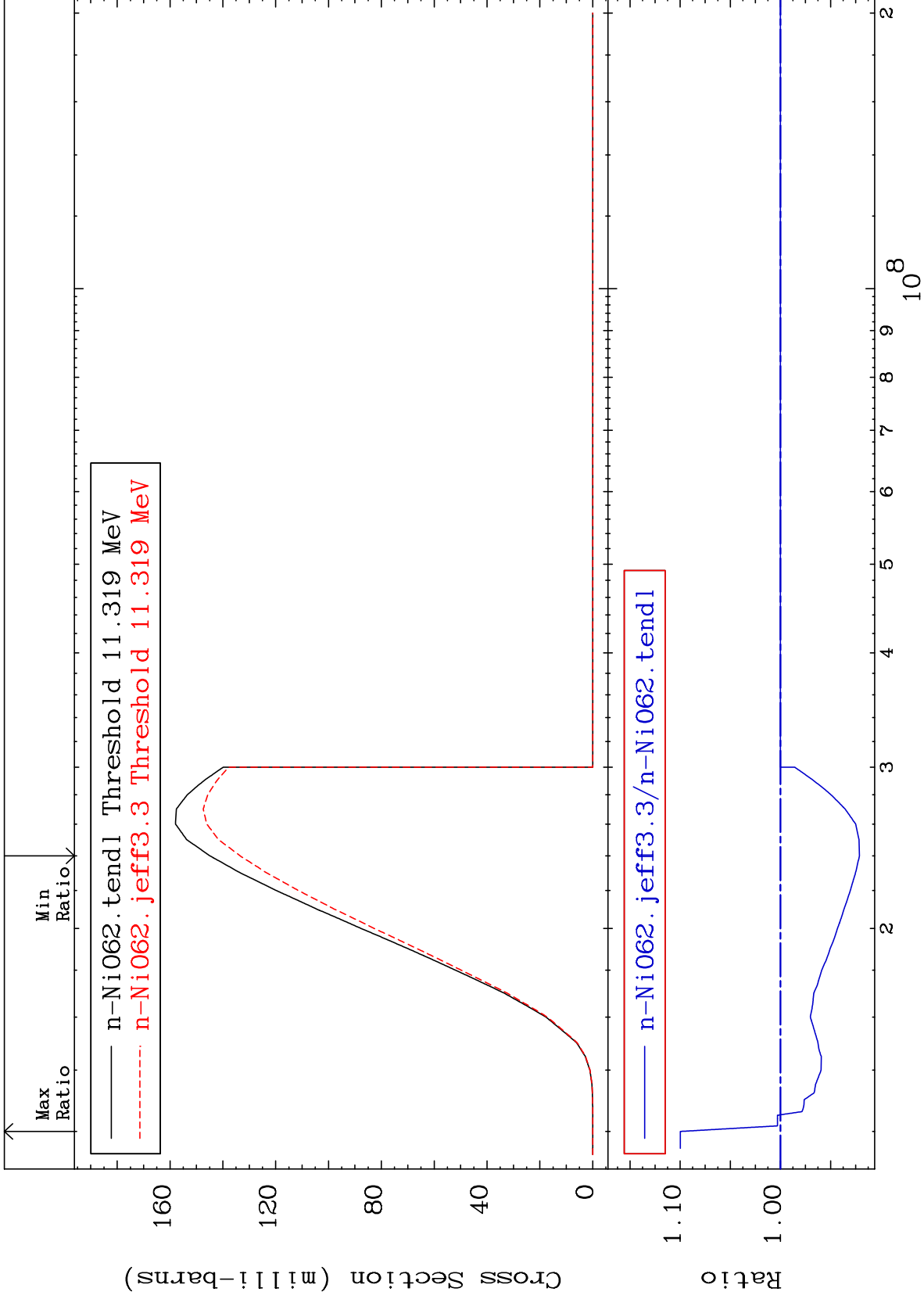
28-Ni-62
0.000 To 837.4 %



MAT 2837

(n,n') p
Cross Section

28-Ni-62
-7.880 To 9.978 %



10

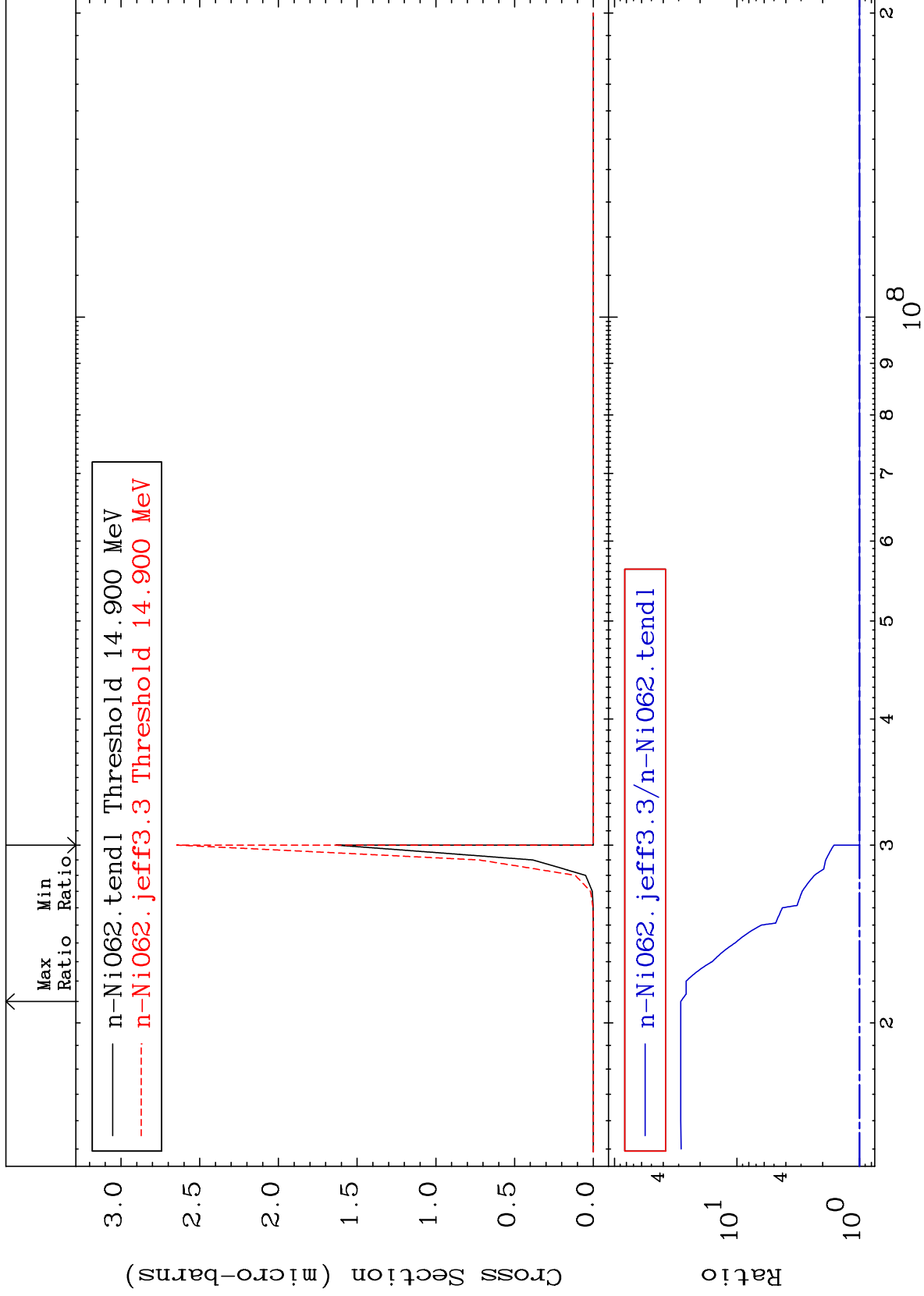
Incident Energy (eV)

28-Ni-62

MAT 2837

(n, n') 2α
Cross Section

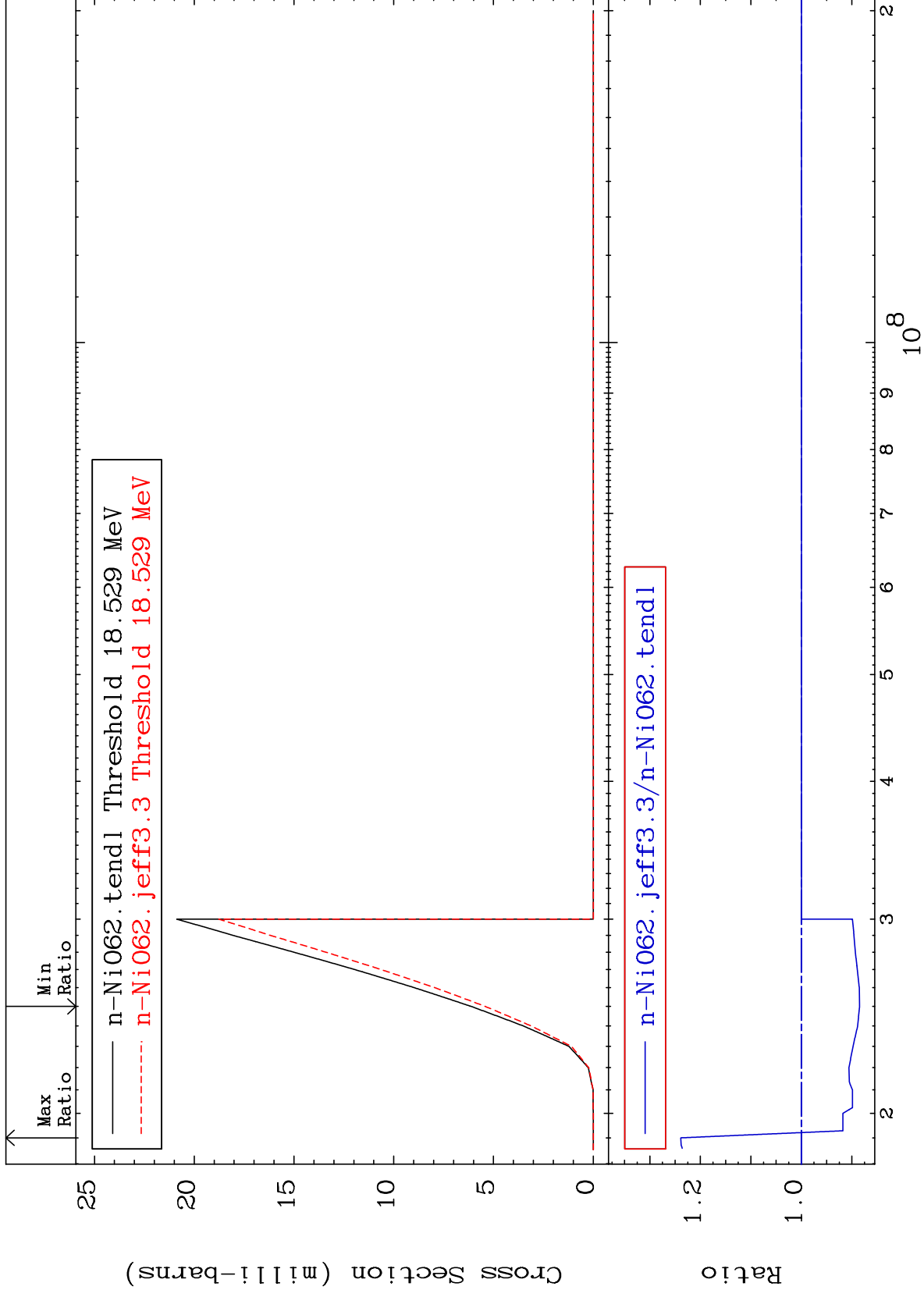
28-Ni-62
To 2778. %
0.000



MAT 2837

(n,n') d
Cross Section

28-Ni-62
-11.51 To 23.88 %



12

Incident Energy (eV)

28-Ni-62

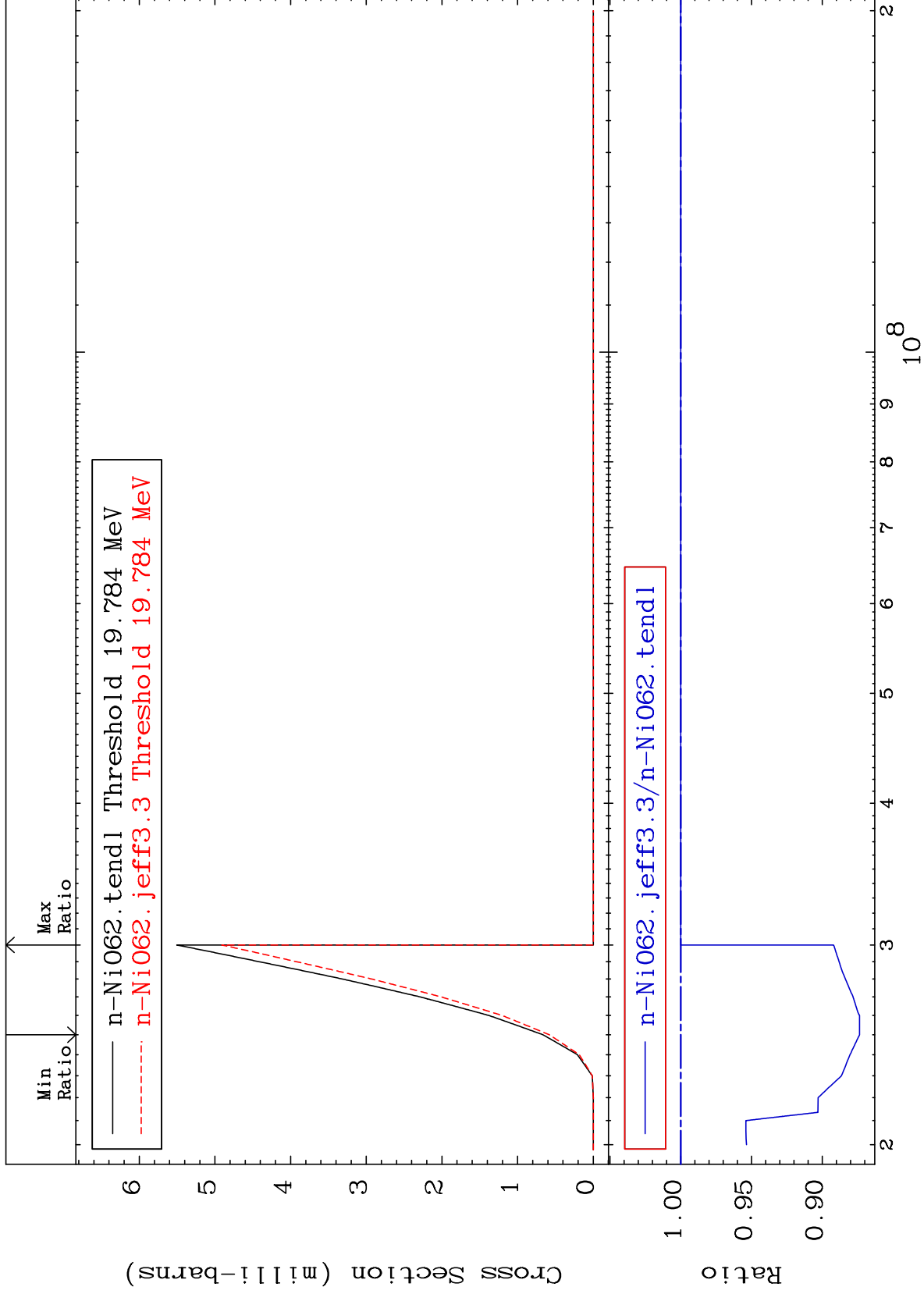
MAT 2837

(n,n') t

28-Ni-62

Cross Section

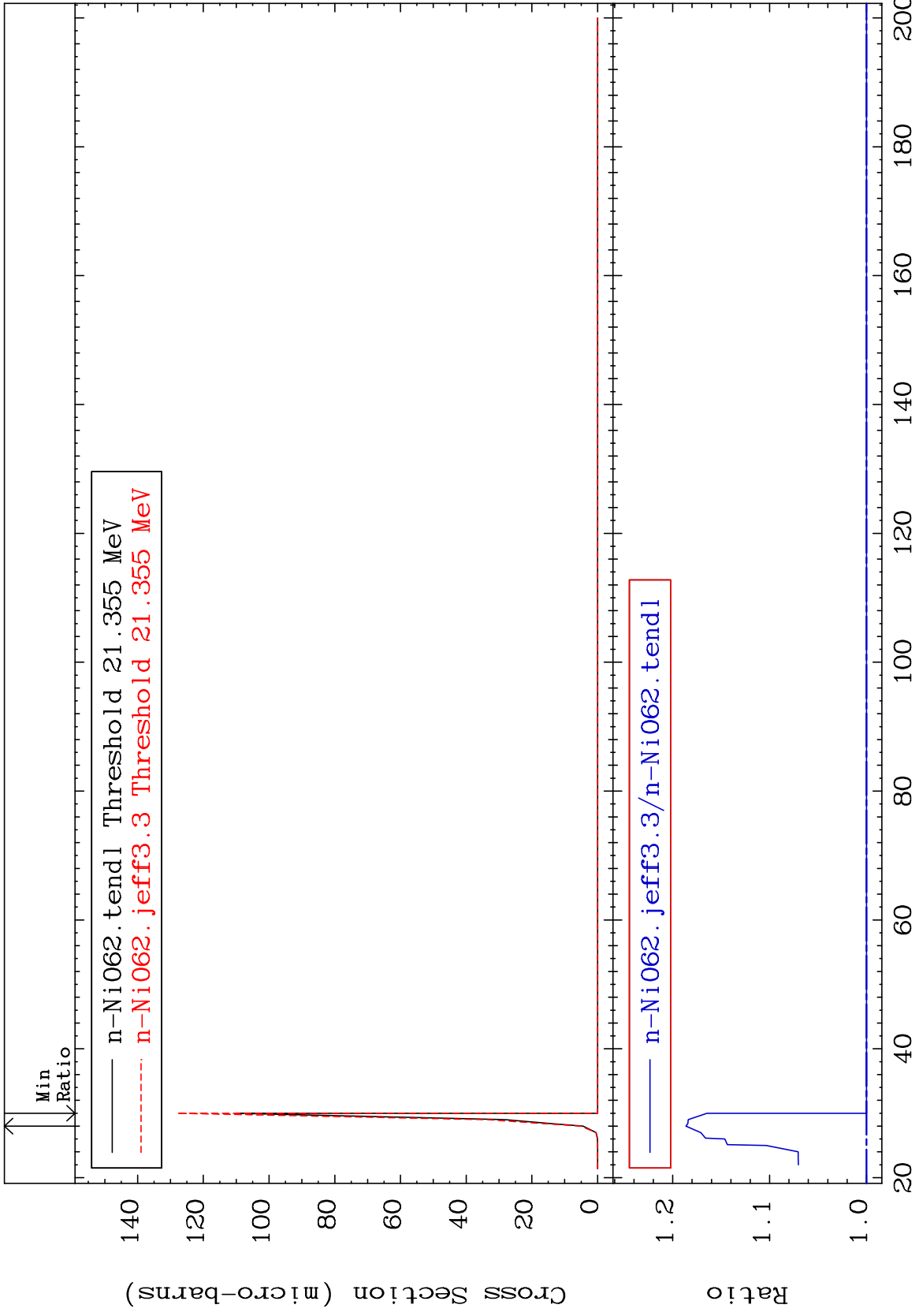
-12.64 To 0.000 %



MAT 2837

(n,n') He-3
Cross Section

28-Ni-62
0.000 To 18.63 %



14

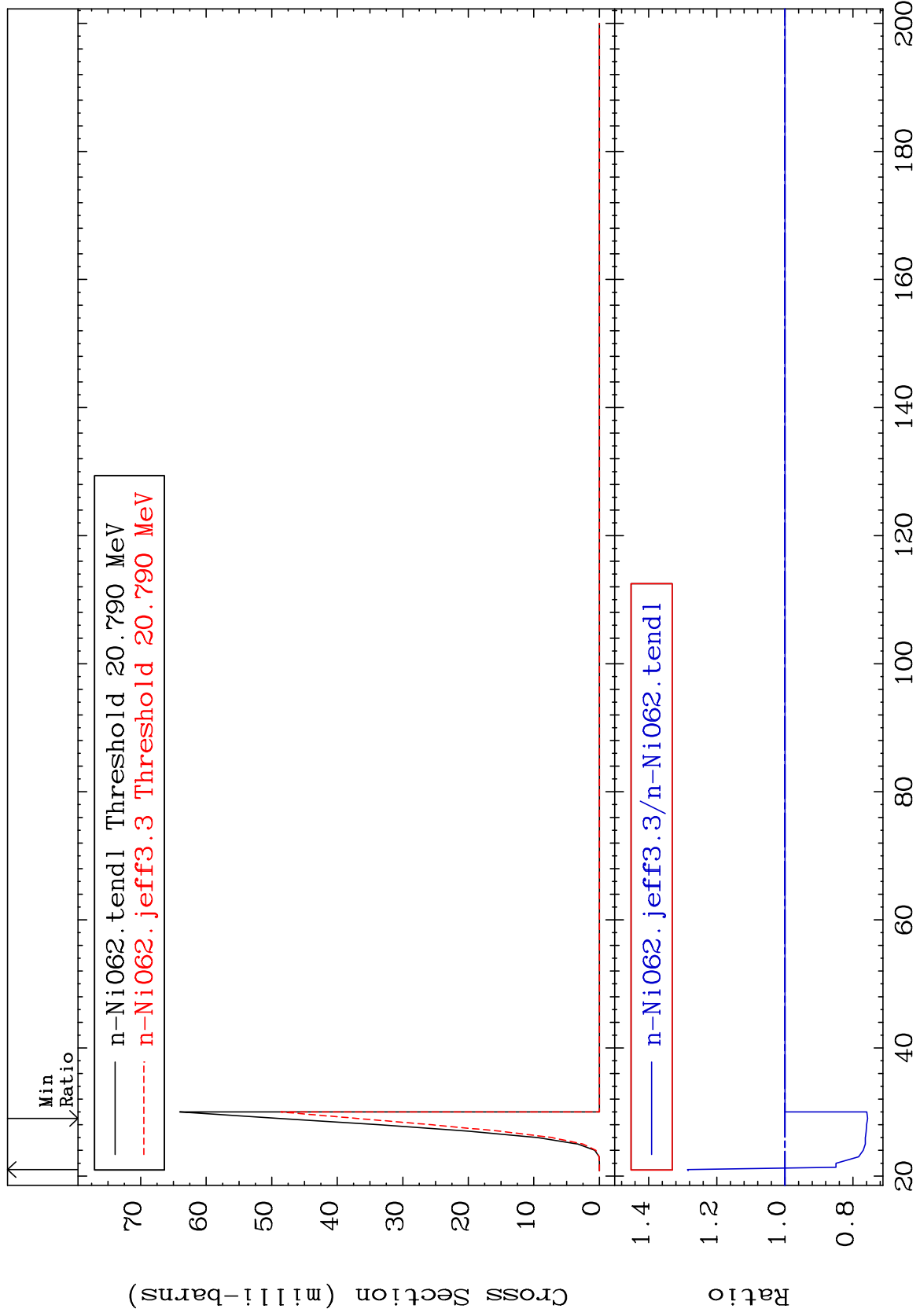
Incident Energy (MeV)

28-Ni-62

MAT 2837

(n,2n) p
Cross Section

28-Ni-62
-24.30 To 28.61 %



15

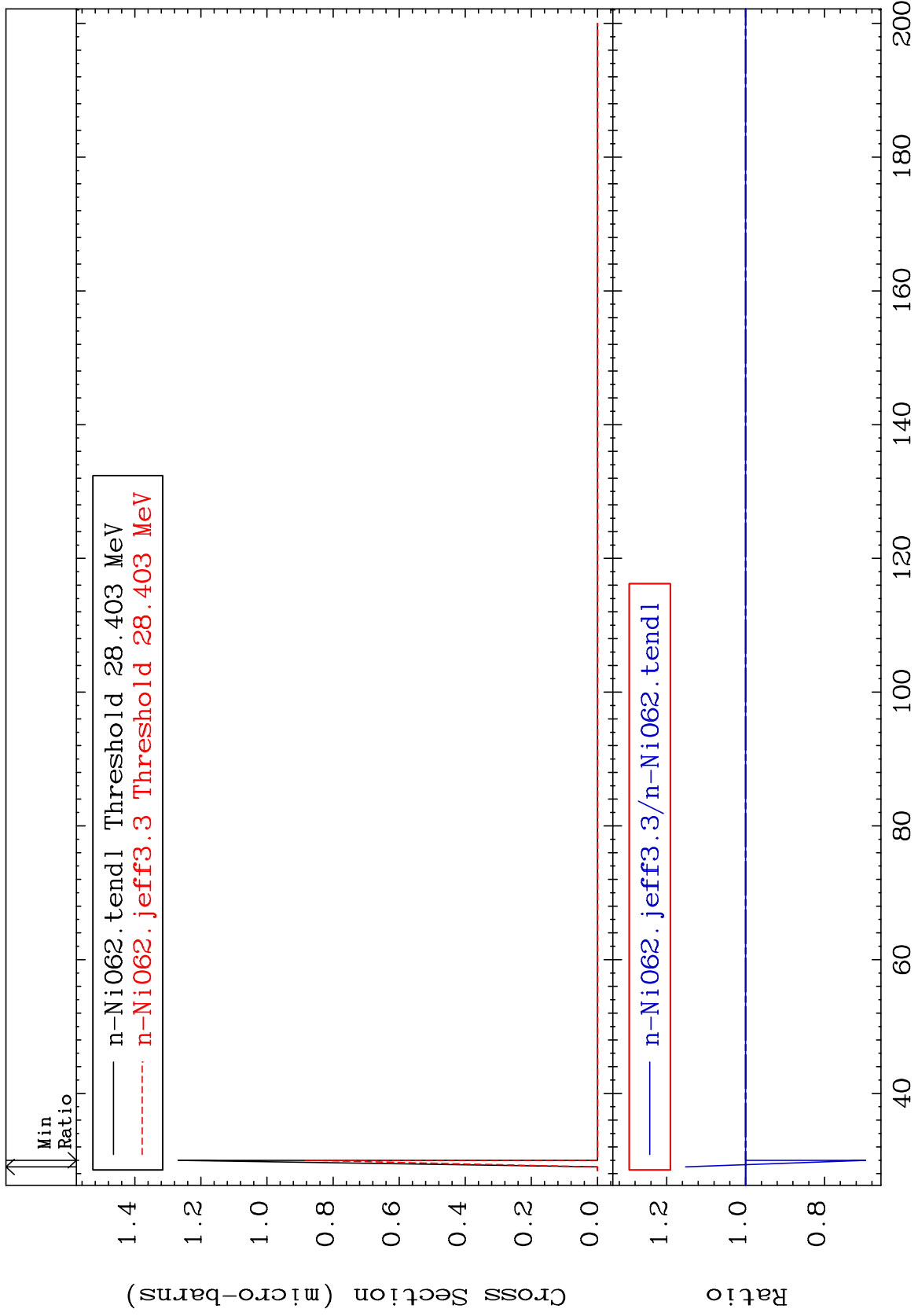
Incident Energy (MeV)

28-Ni-62

MAT 2837

(n,3n) p
Cross Section

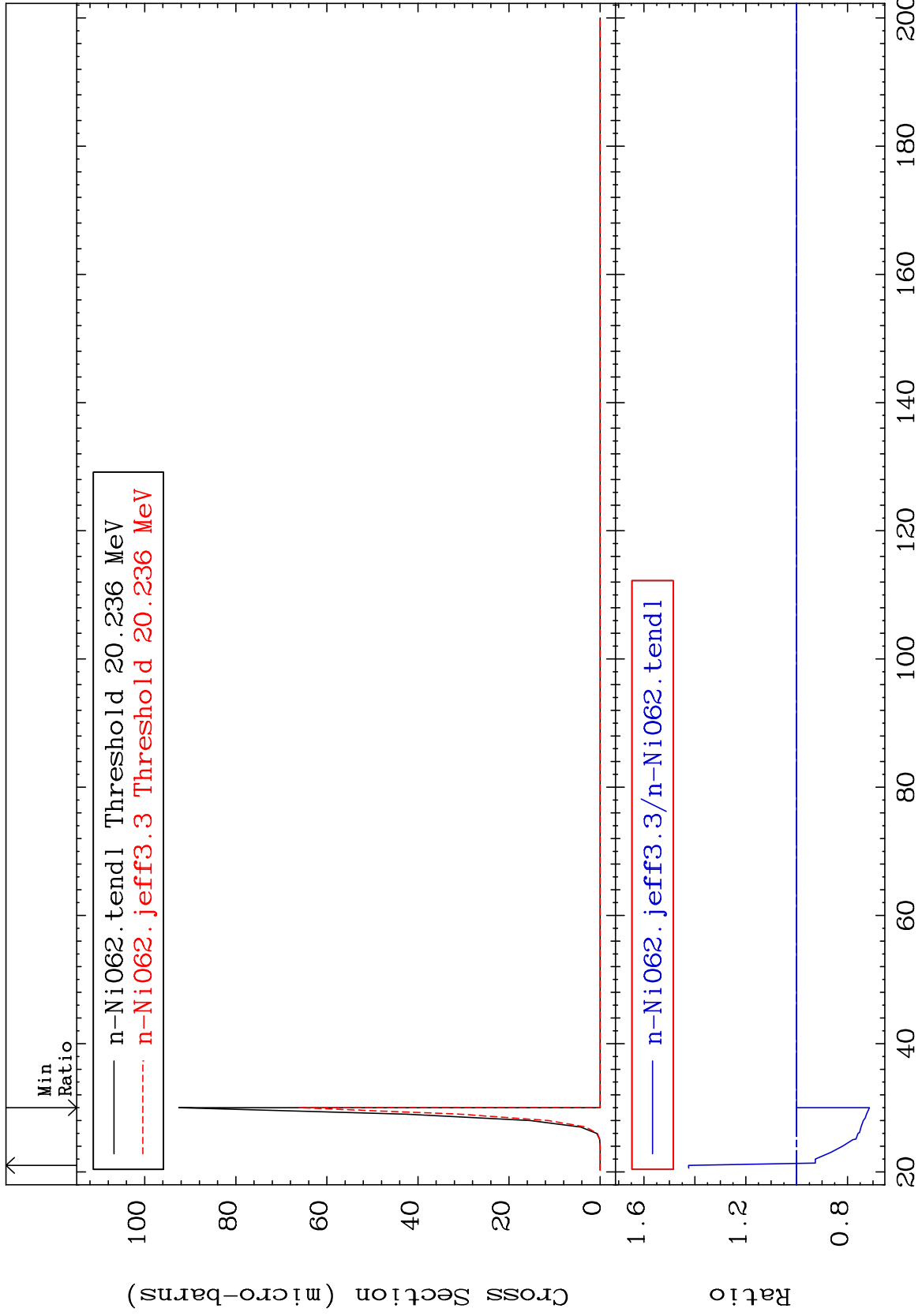
28-Ni-62
-30.41 To 15.20 %



MAT 2837

(n,2n) p
Cross Section

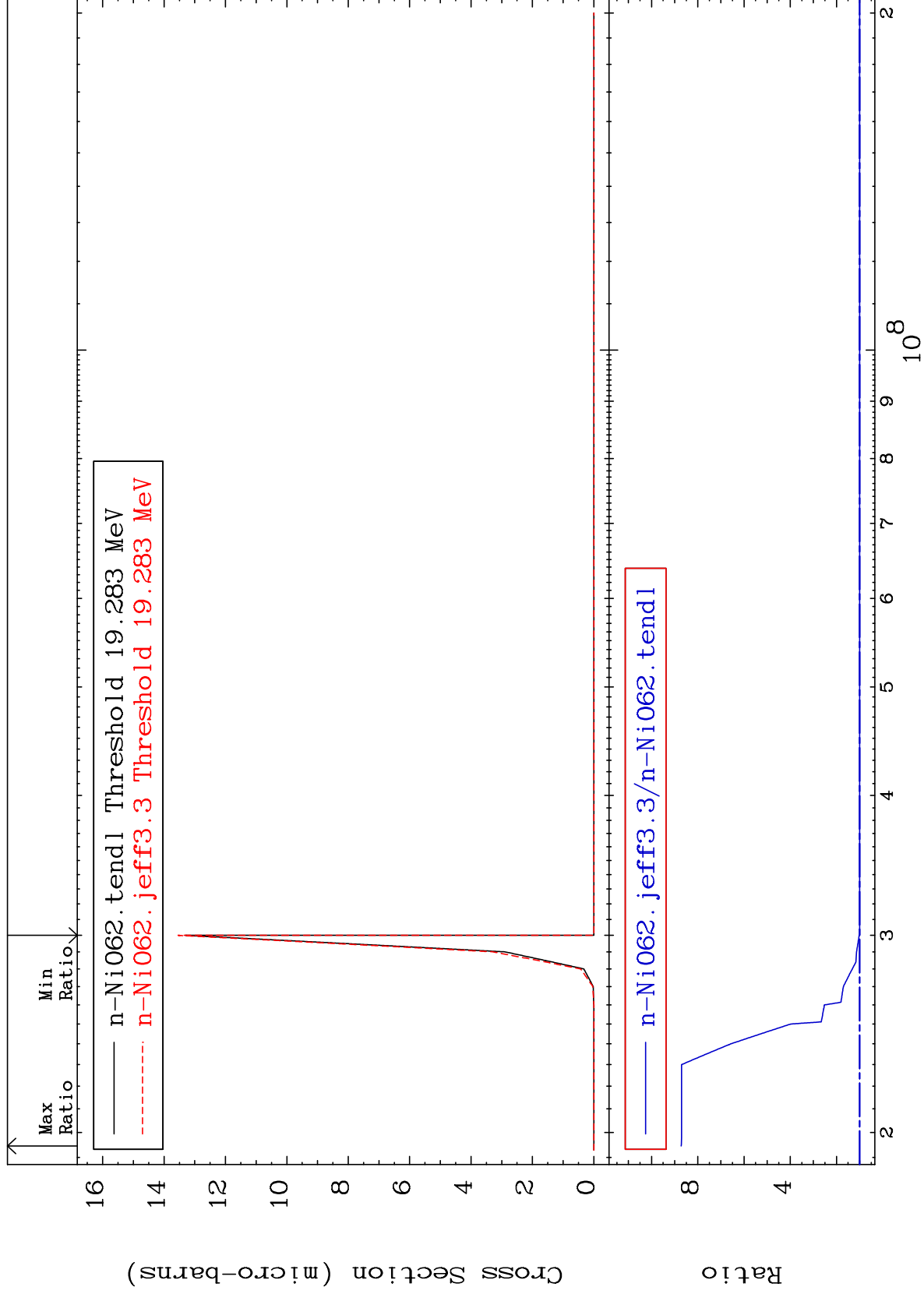
28-Ni-62
-28.62 To 42.47 %



MAT 2837

(n,n') p α
Cross Section

28-Ni-62
0.000 To 771.9 %



18

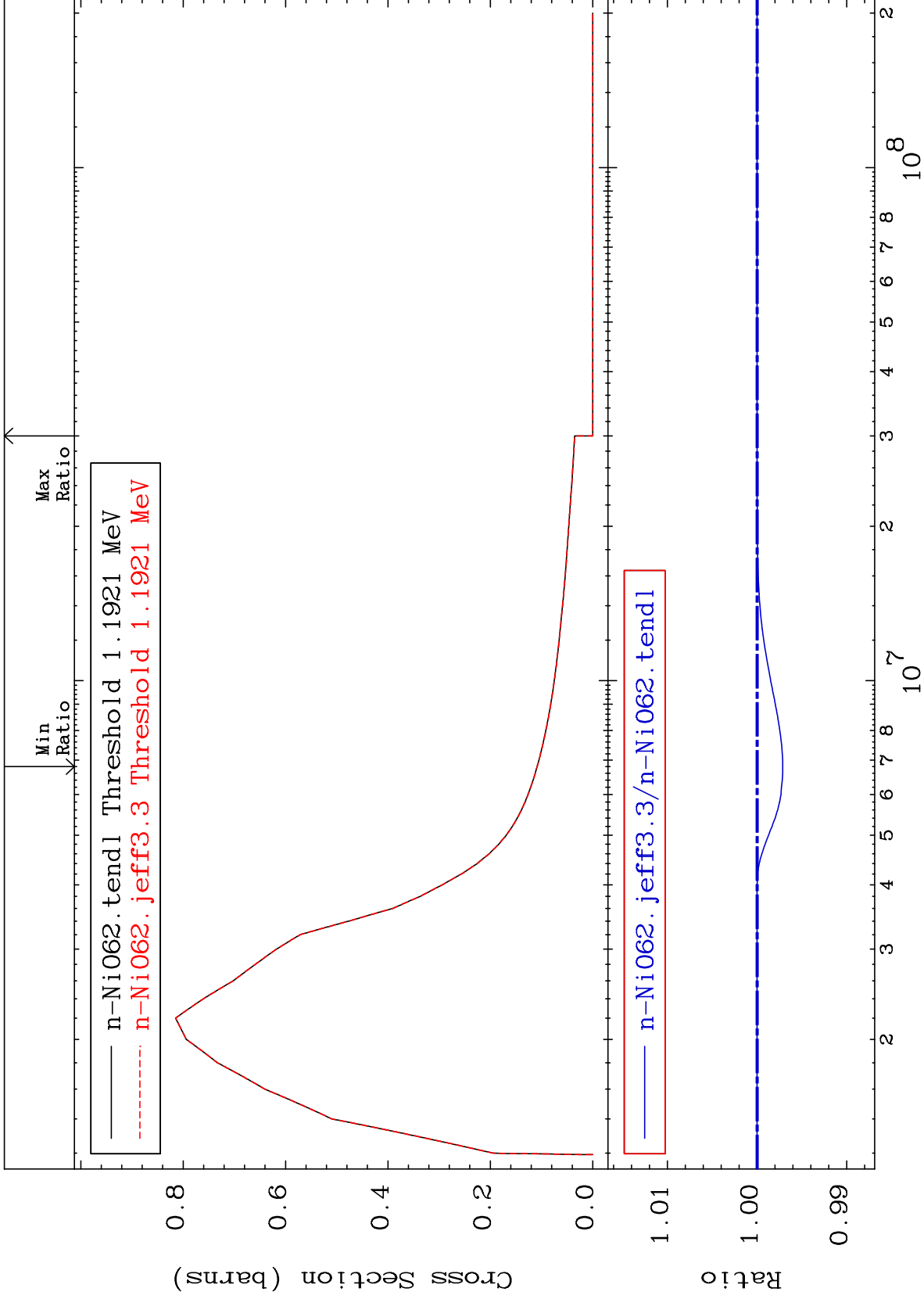
Incident Energy (eV)

28-Ni-62

MAT 2837

MT= 51 (n,n') Level
Cross Section

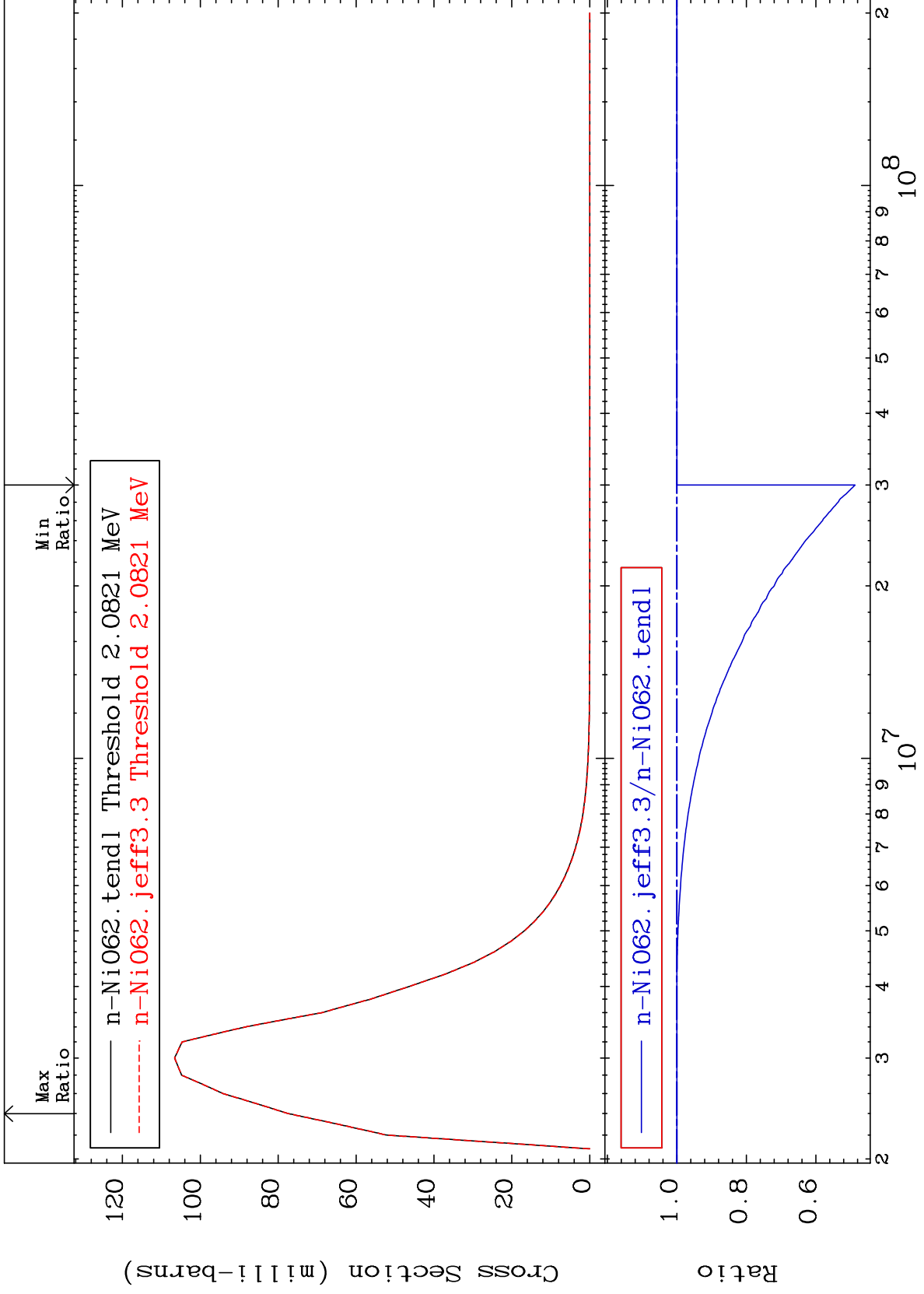
28-Ni-62
-0.285 To 0.000 %



MAT 2837

MT= 52 (n,n') Level
Cross Section

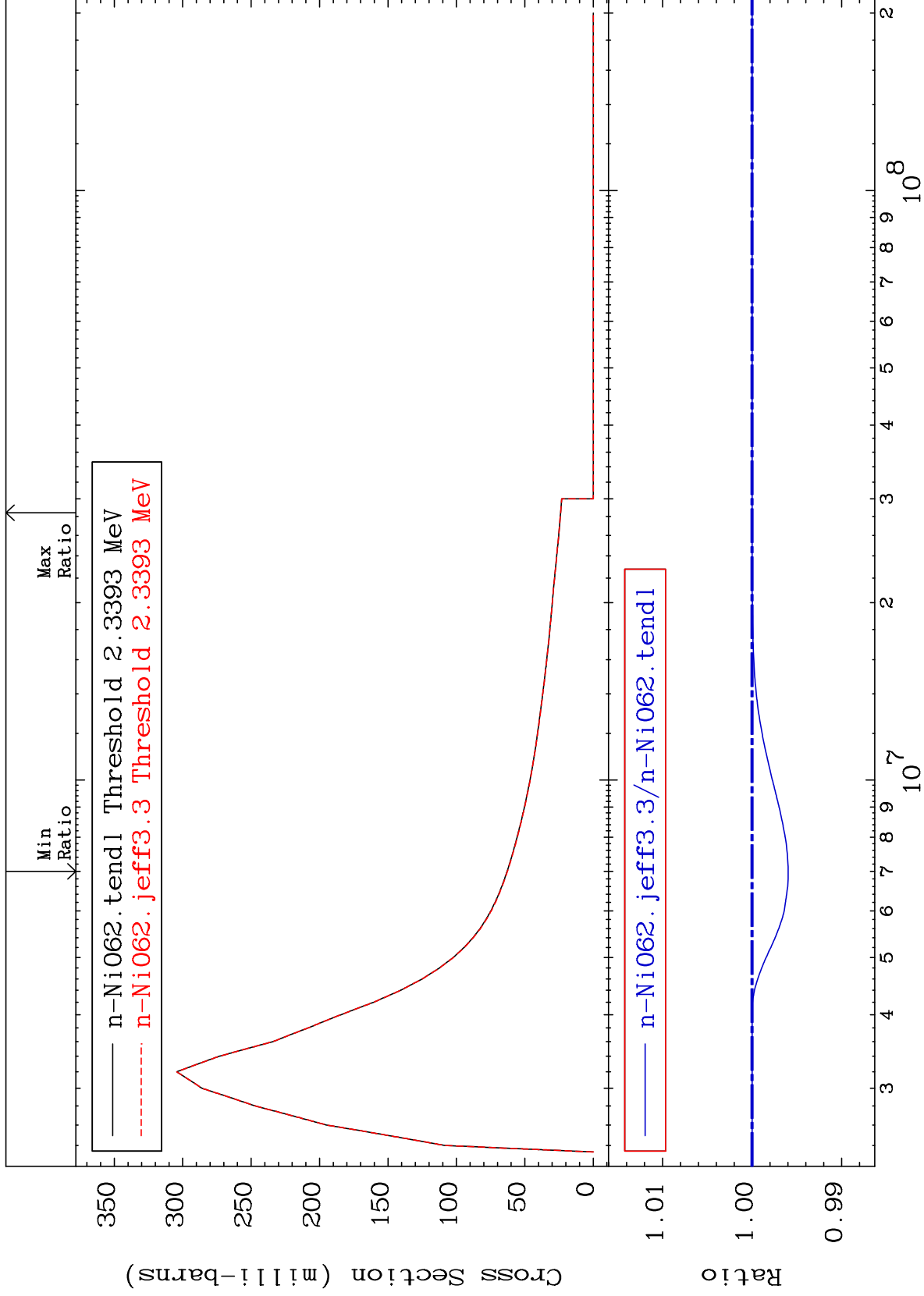
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 53 (n, n') Level
Cross Section

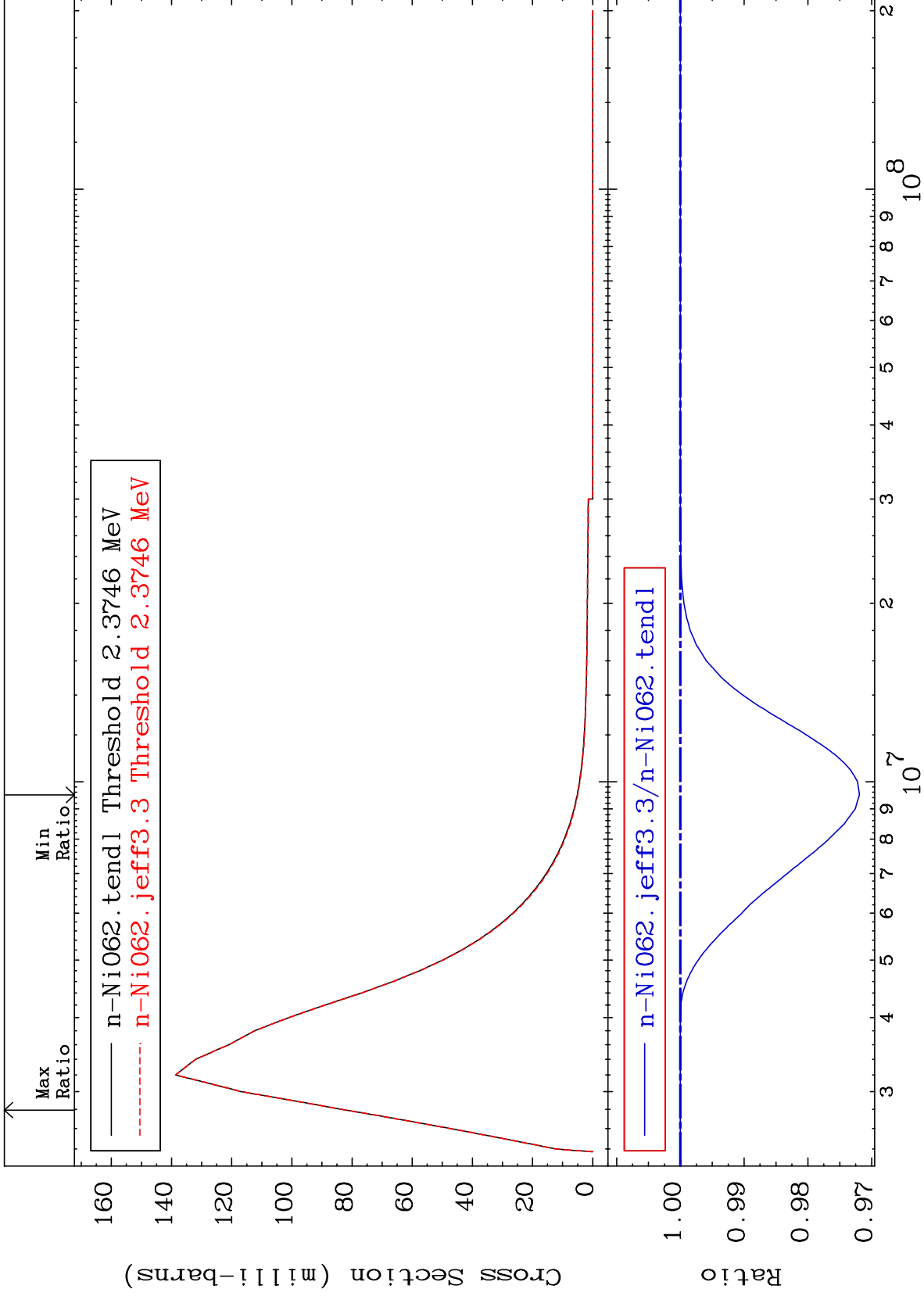
28-Ni-62
-0.404 To 0.000 %



MAT 2837

MT= 54 (n,n') Level
Cross Section

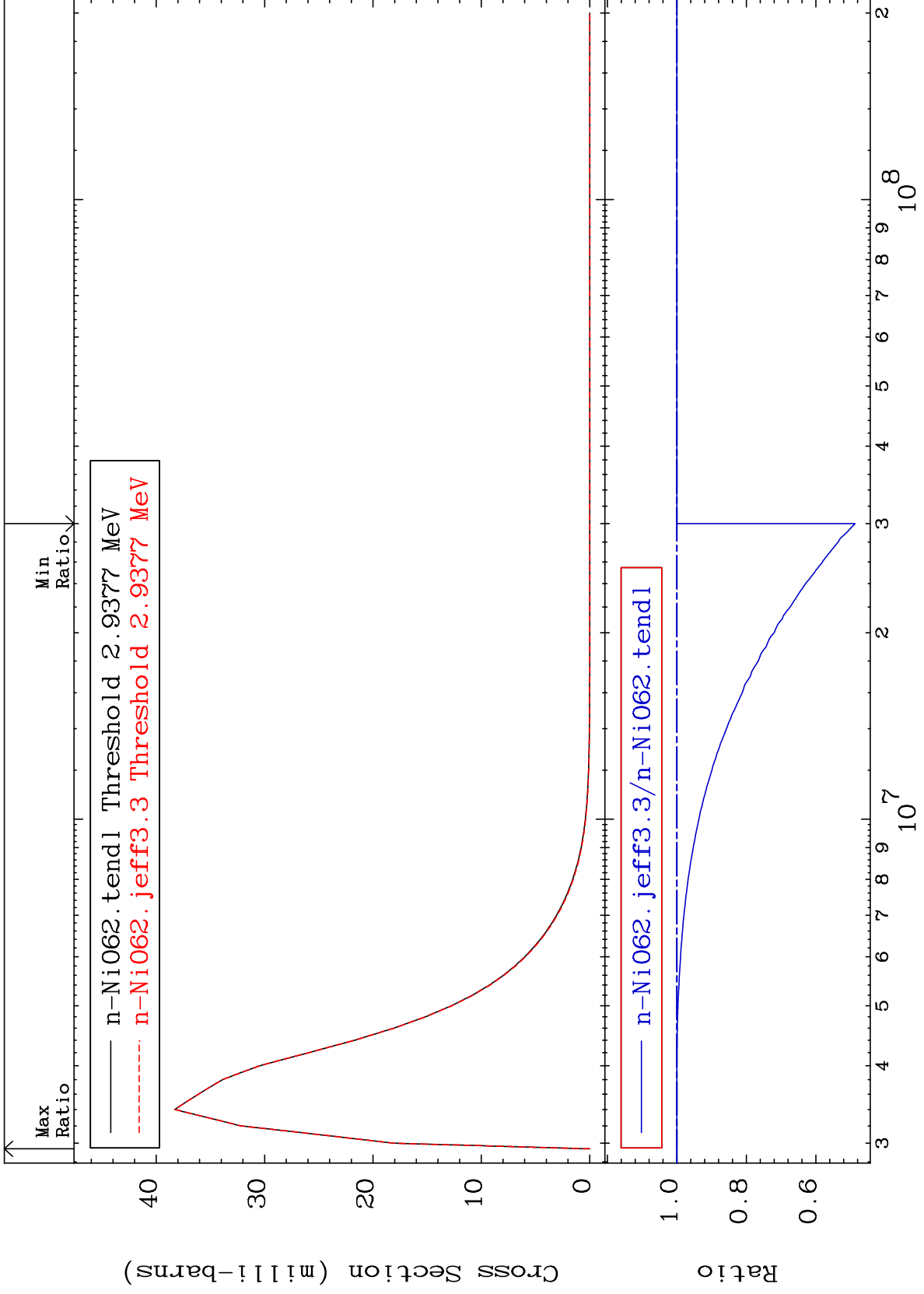
28-Ni-62
-2.809 To 0.000 %



MAT 2837

MT= 55 (n,n') Level
Cross Section

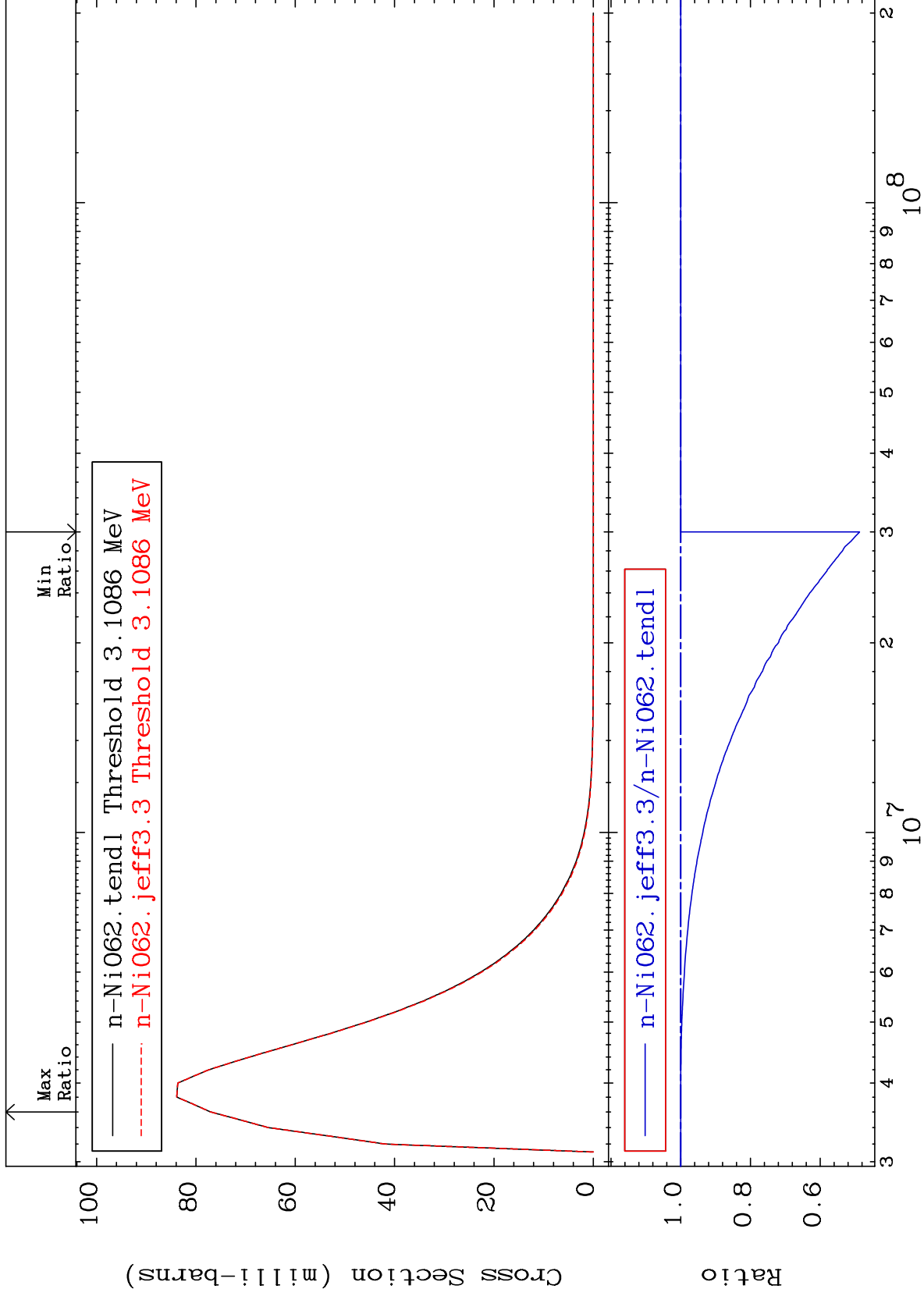
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 56 (n,n') Level
Cross Section

28-Ni-62
-51.30 To 0.000 %



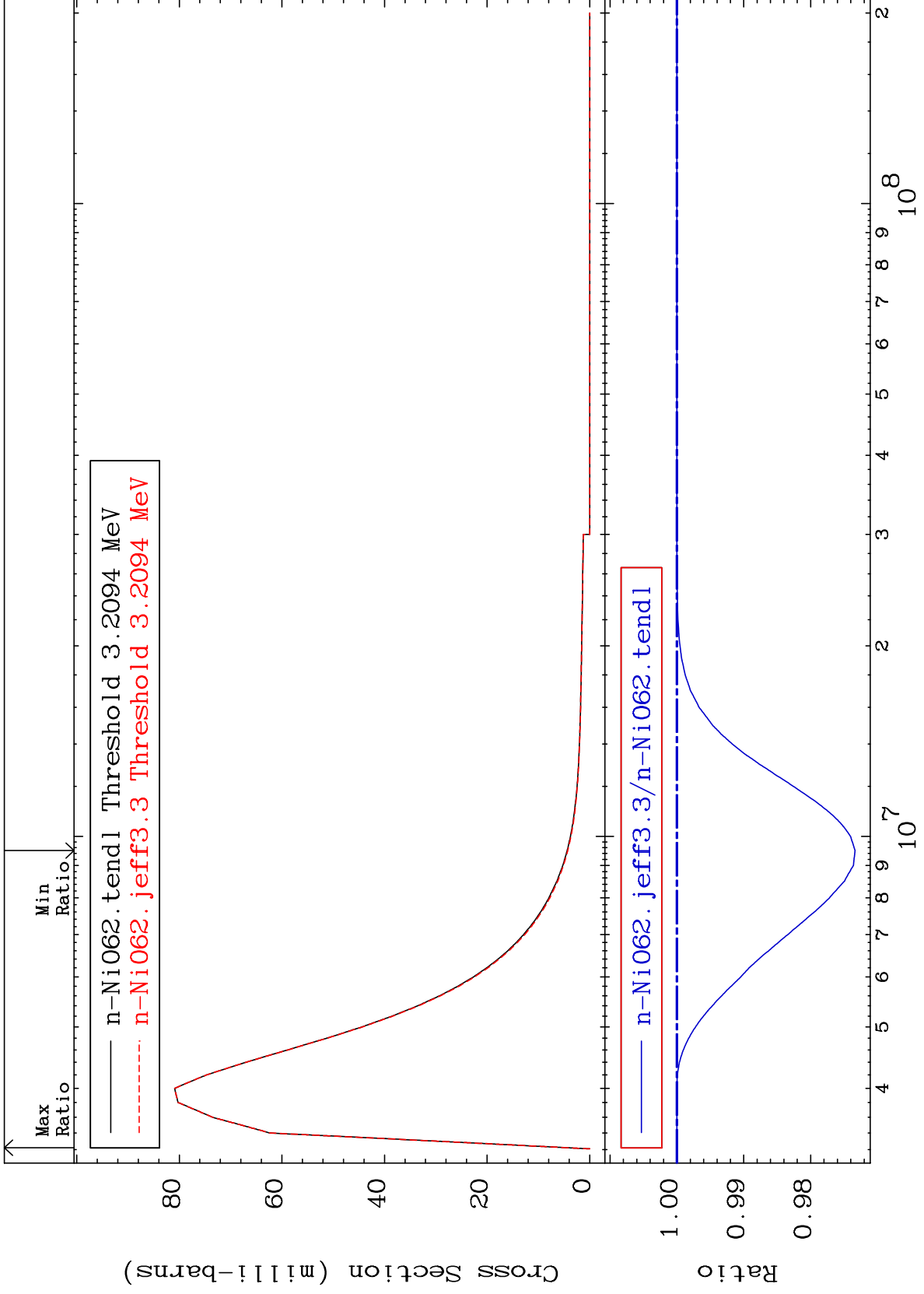
24

28-Ni-62

MAT 2837

MT= 57 (n,n') Level
Cross Section

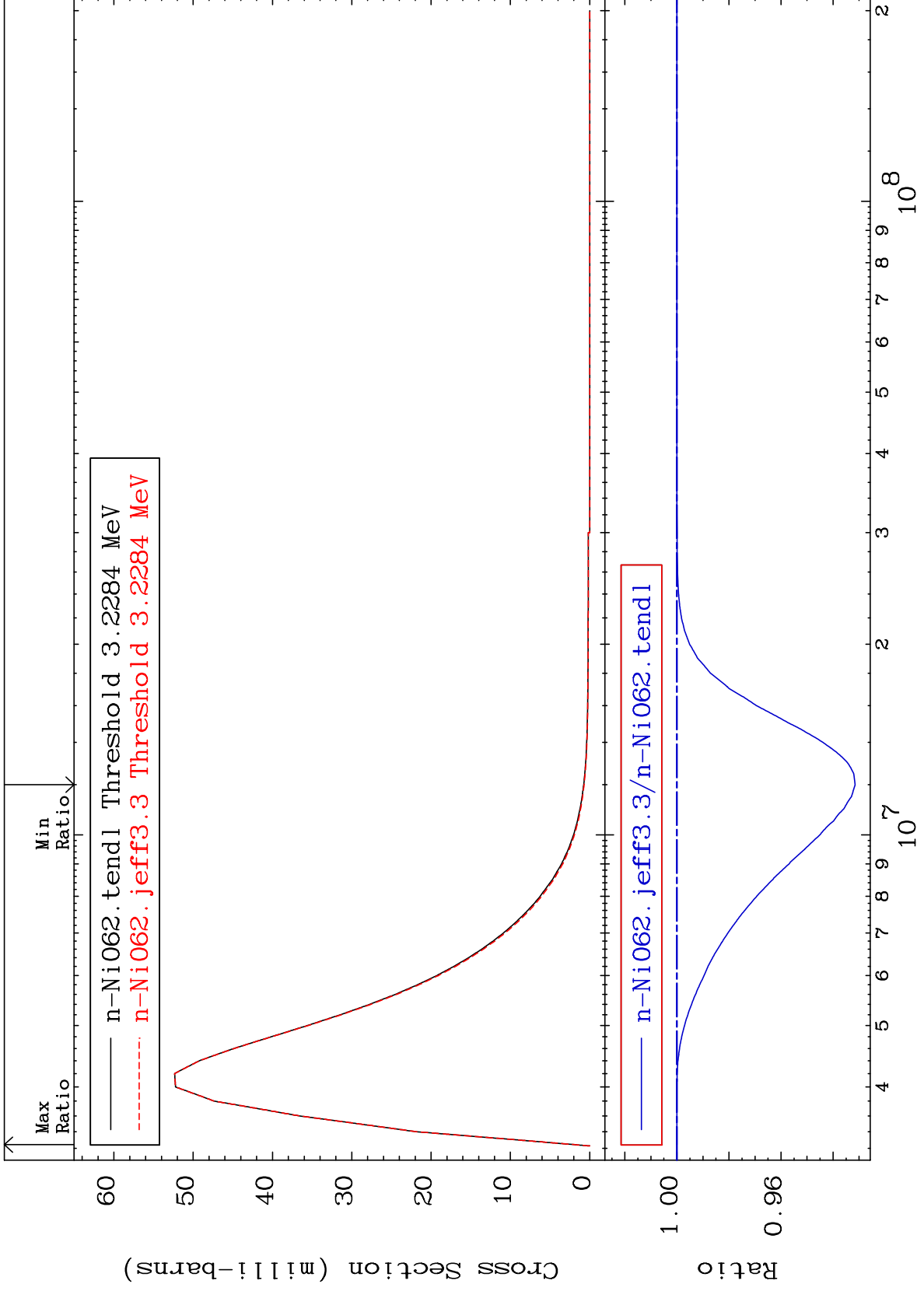
28-Ni-62
-2.665 To 0.000 %



MAT 2837

MT= 58 (n,n') Level
Cross Section

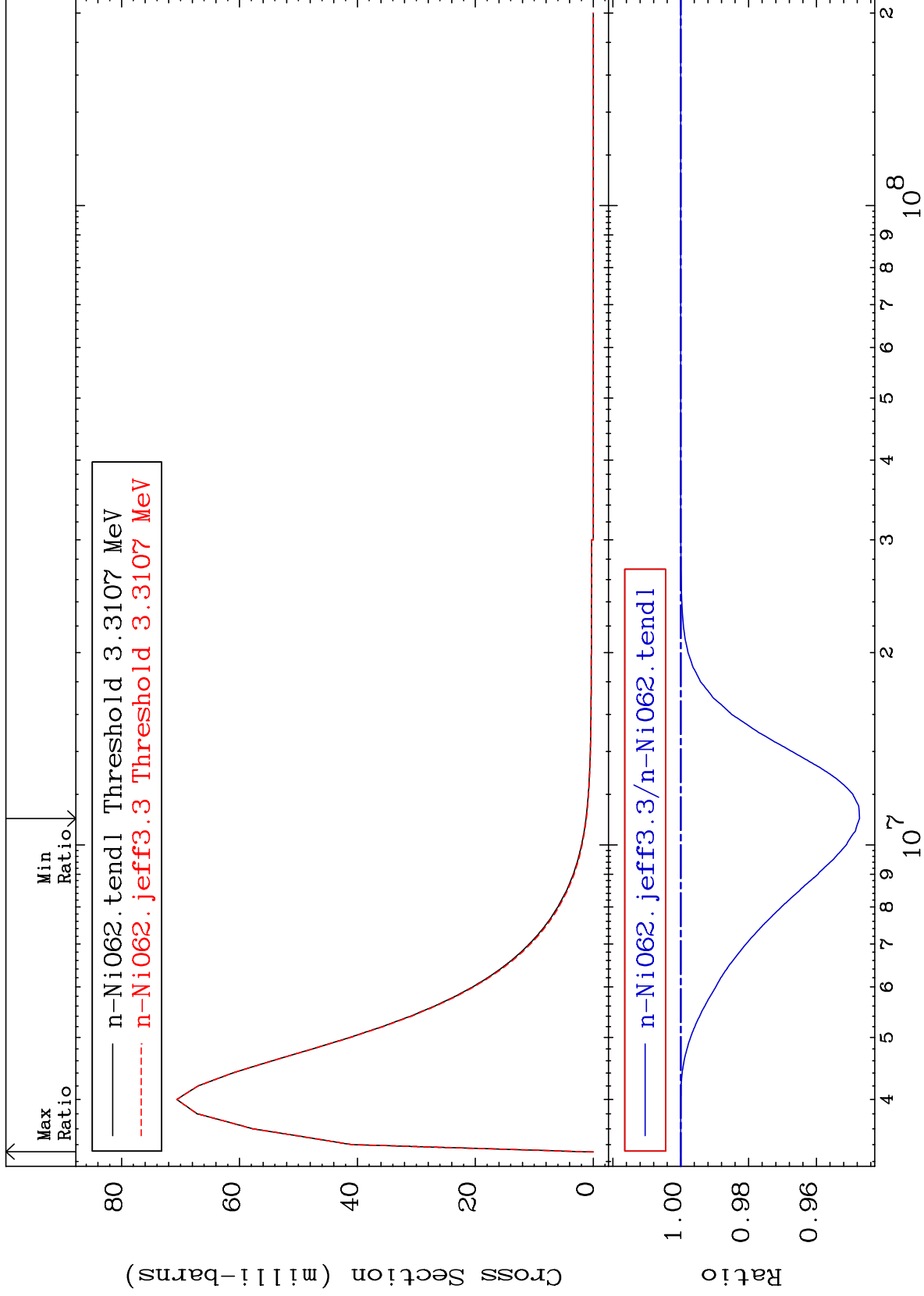
28-Ni-62
-6.846 To 0.000 %



MAT 2837

MT= 59 (n,n') Level
Cross Section

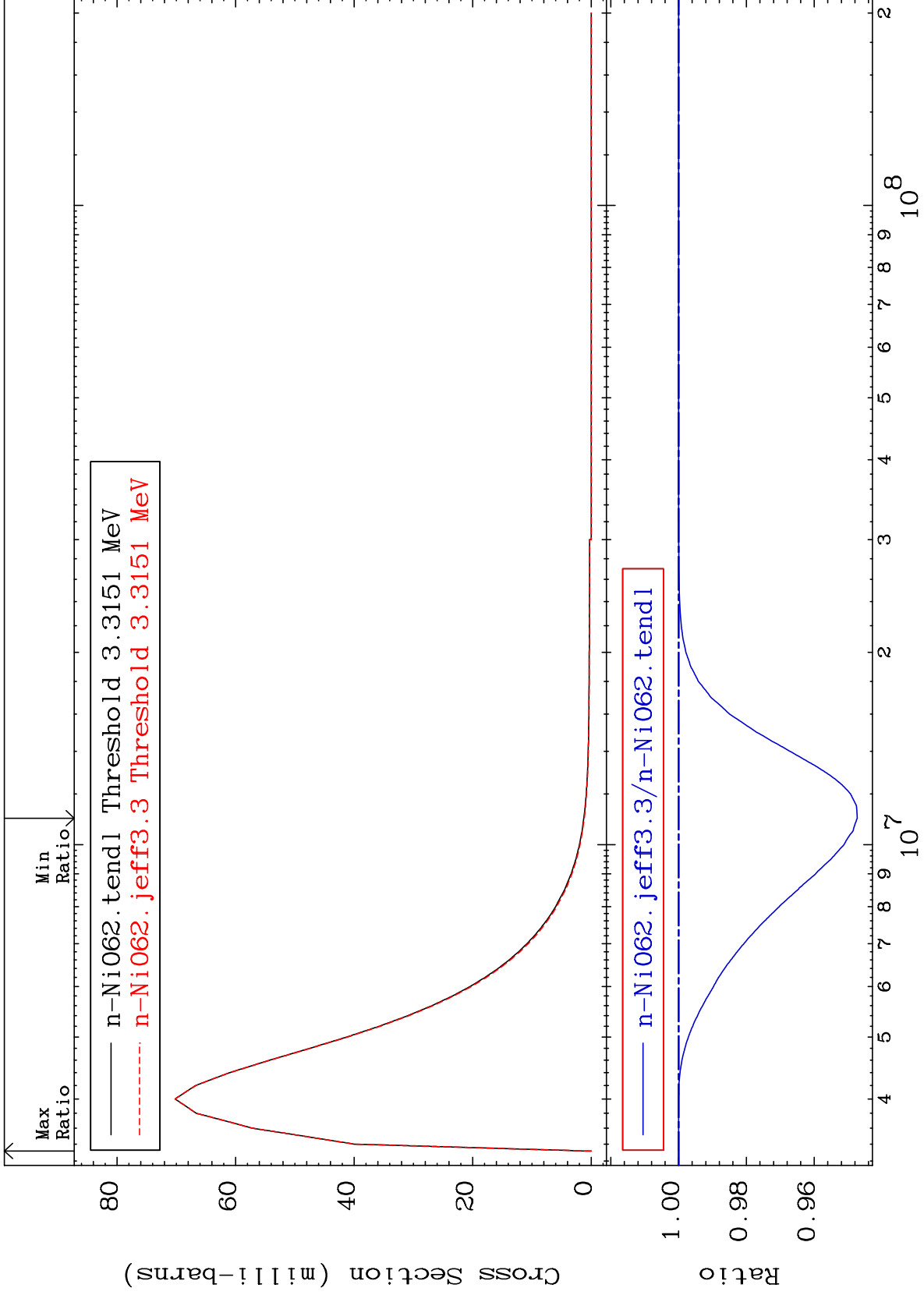
28-Ni-62
-5.268 To 0.000 %



MAT 2837

MT= 60 (n,n') Level
Cross Section

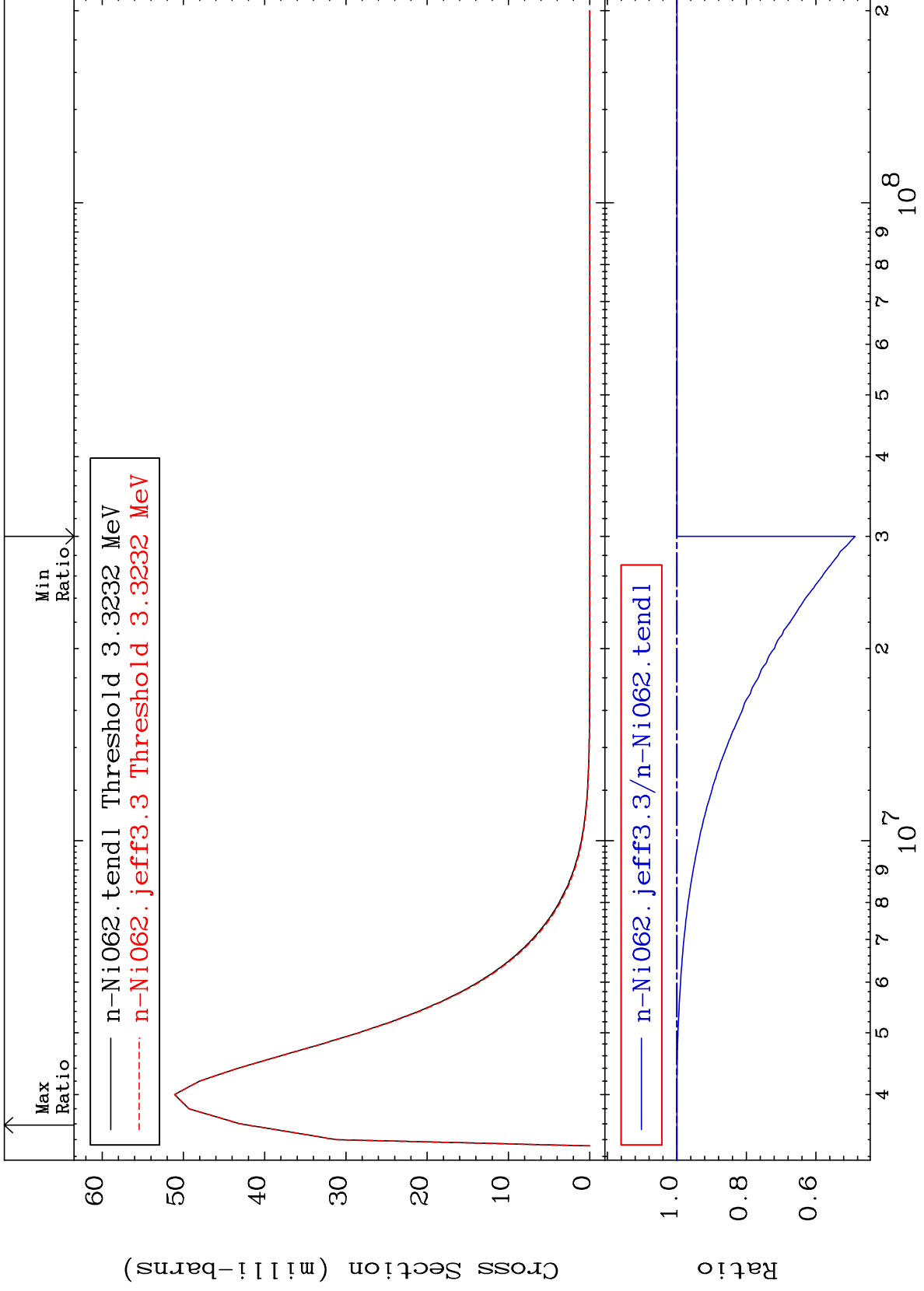
28-Ni-62
-5.268 To 0.000 %



MAT 2837

MT= 61 (n,n') Level
Cross Section

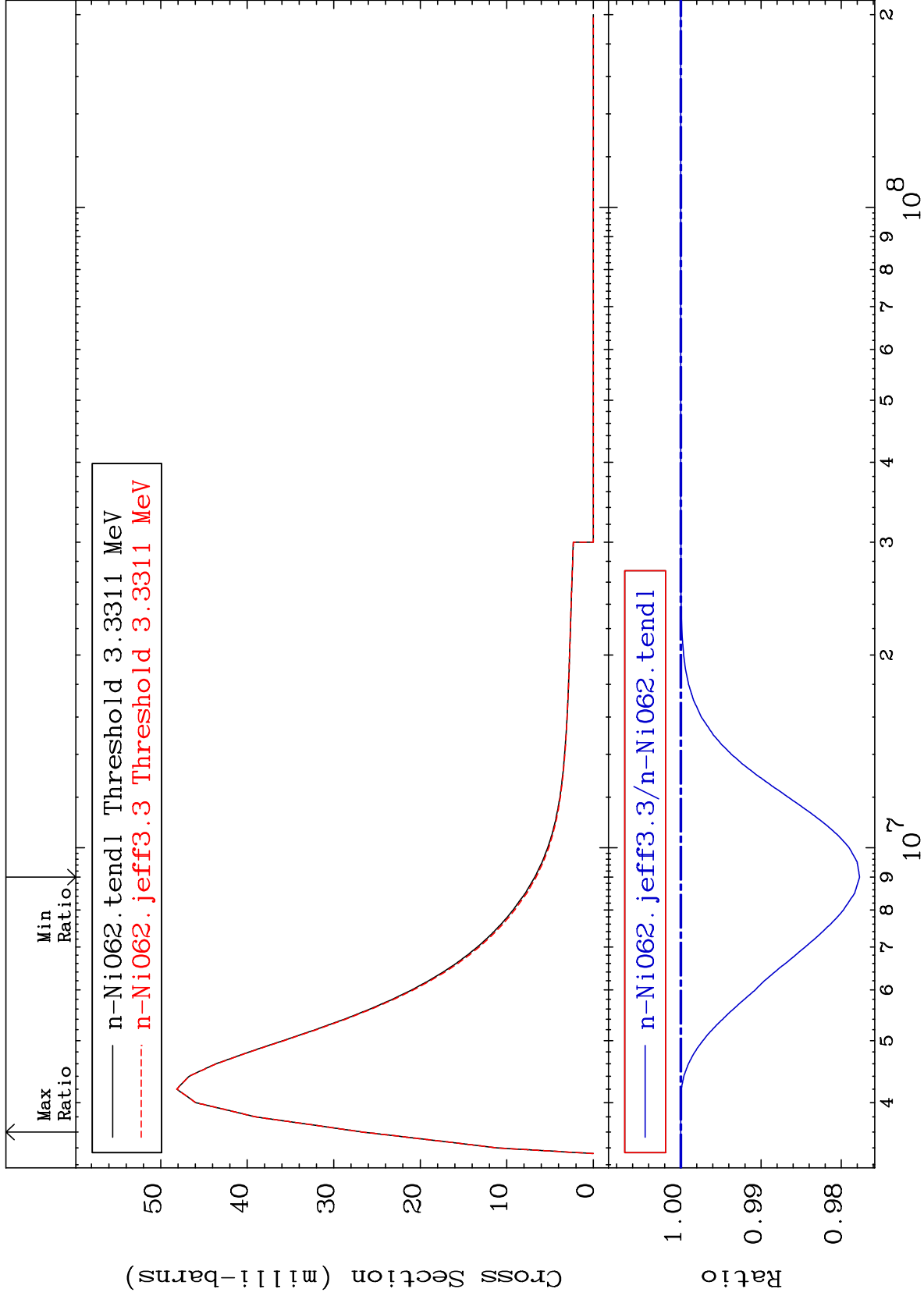
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 62 (n,n') Level
Cross Section

28-Ni-62
-2.229 To 0.000 %



30

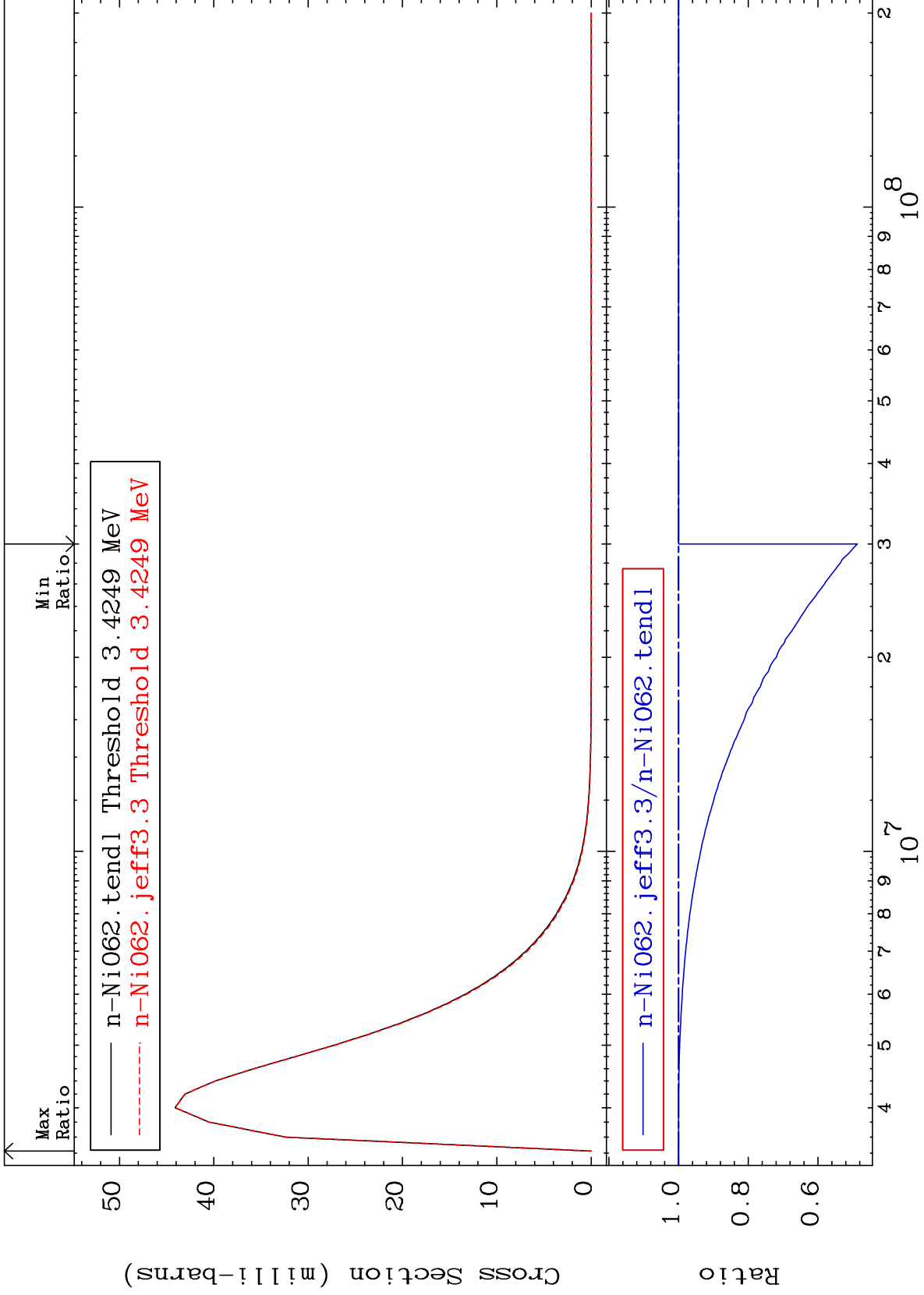
Incident Energy (eV)

28-Ni-62

MAT 2837

MT= 63 (n,n') Level
Cross Section

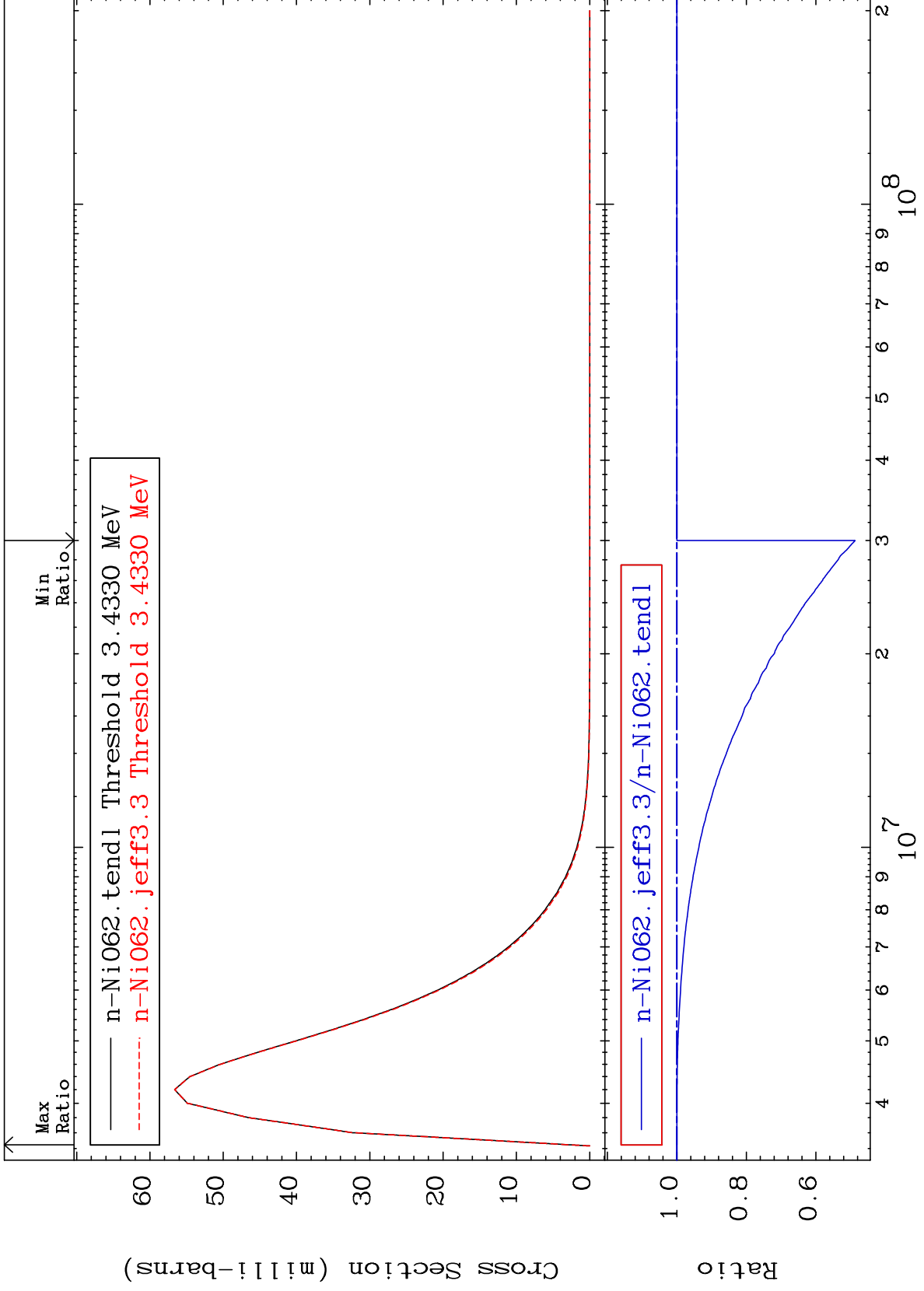
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 64 (n,n') Level
Cross Section

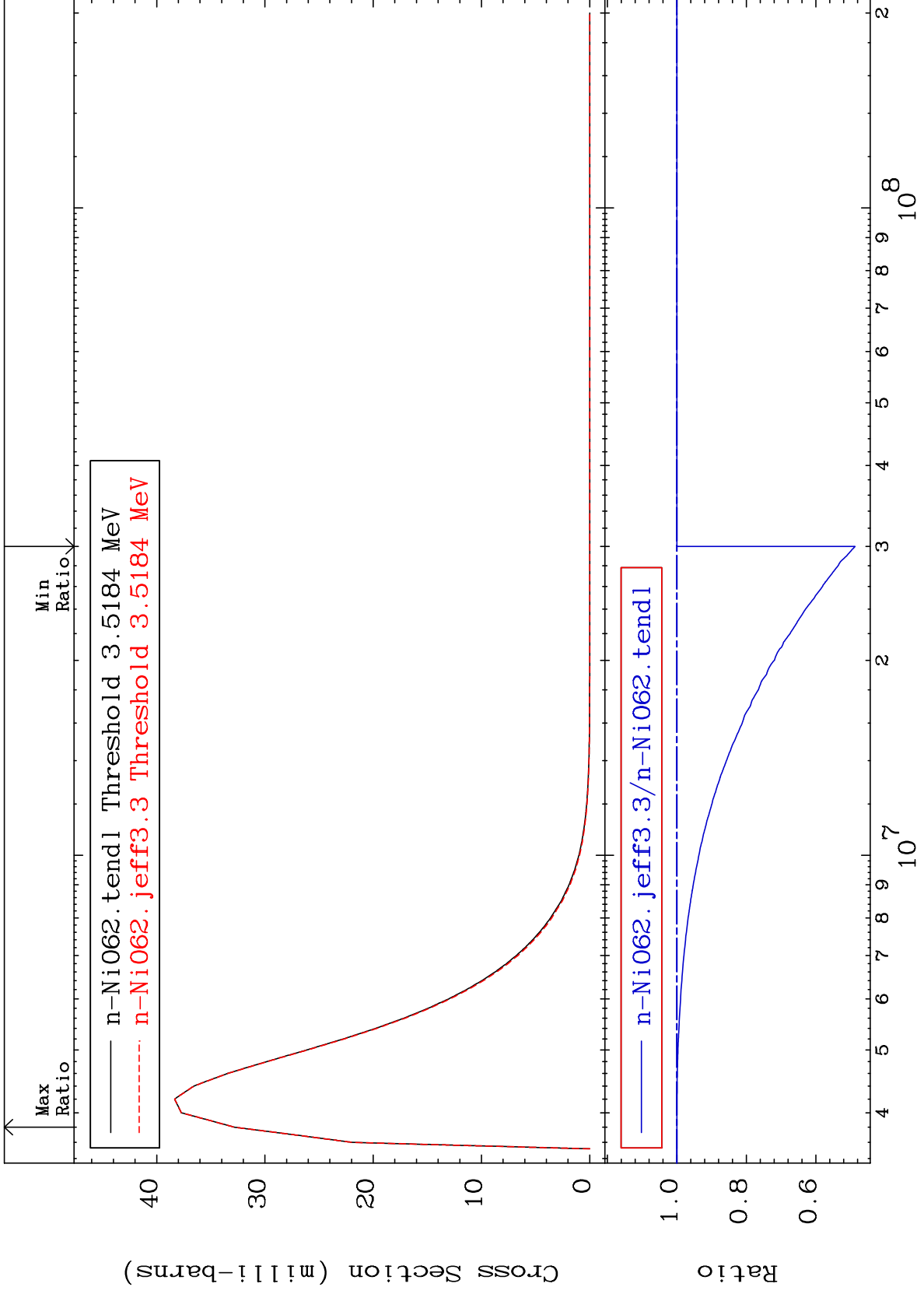
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 65 (n,n') Level
Cross Section

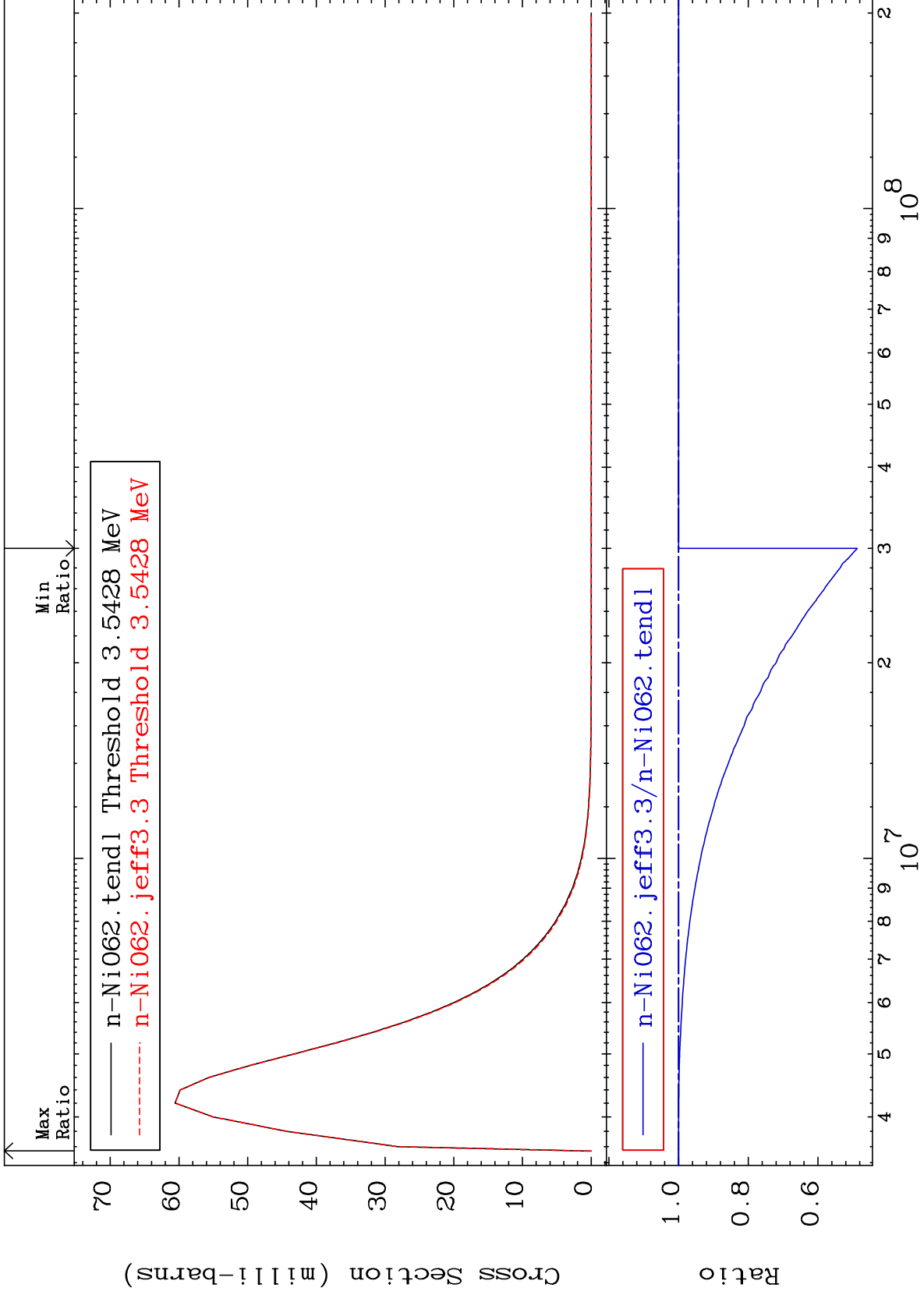
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 66 (n,n') Level
Cross Section

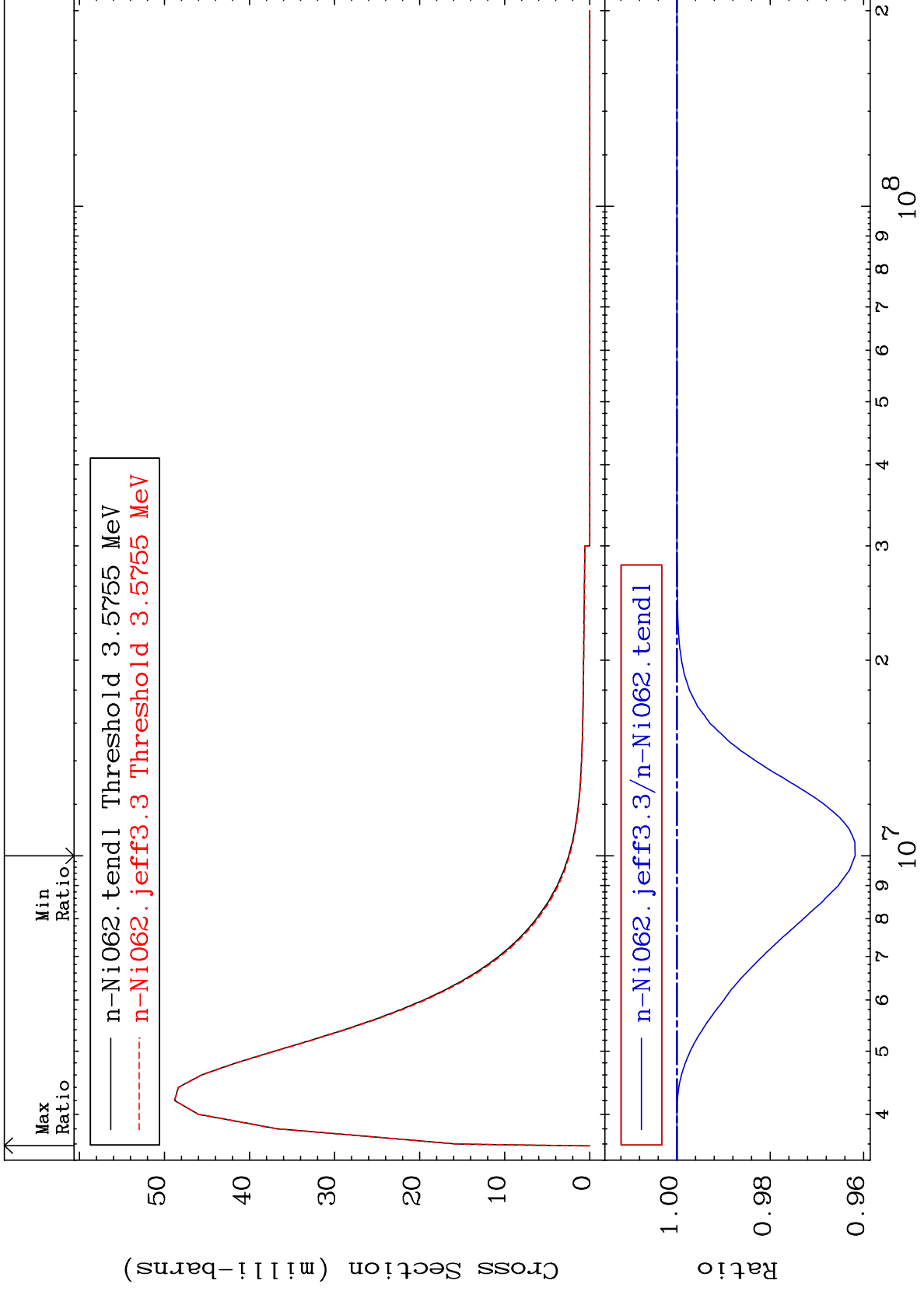
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 67 (n,n') Level
Cross Section

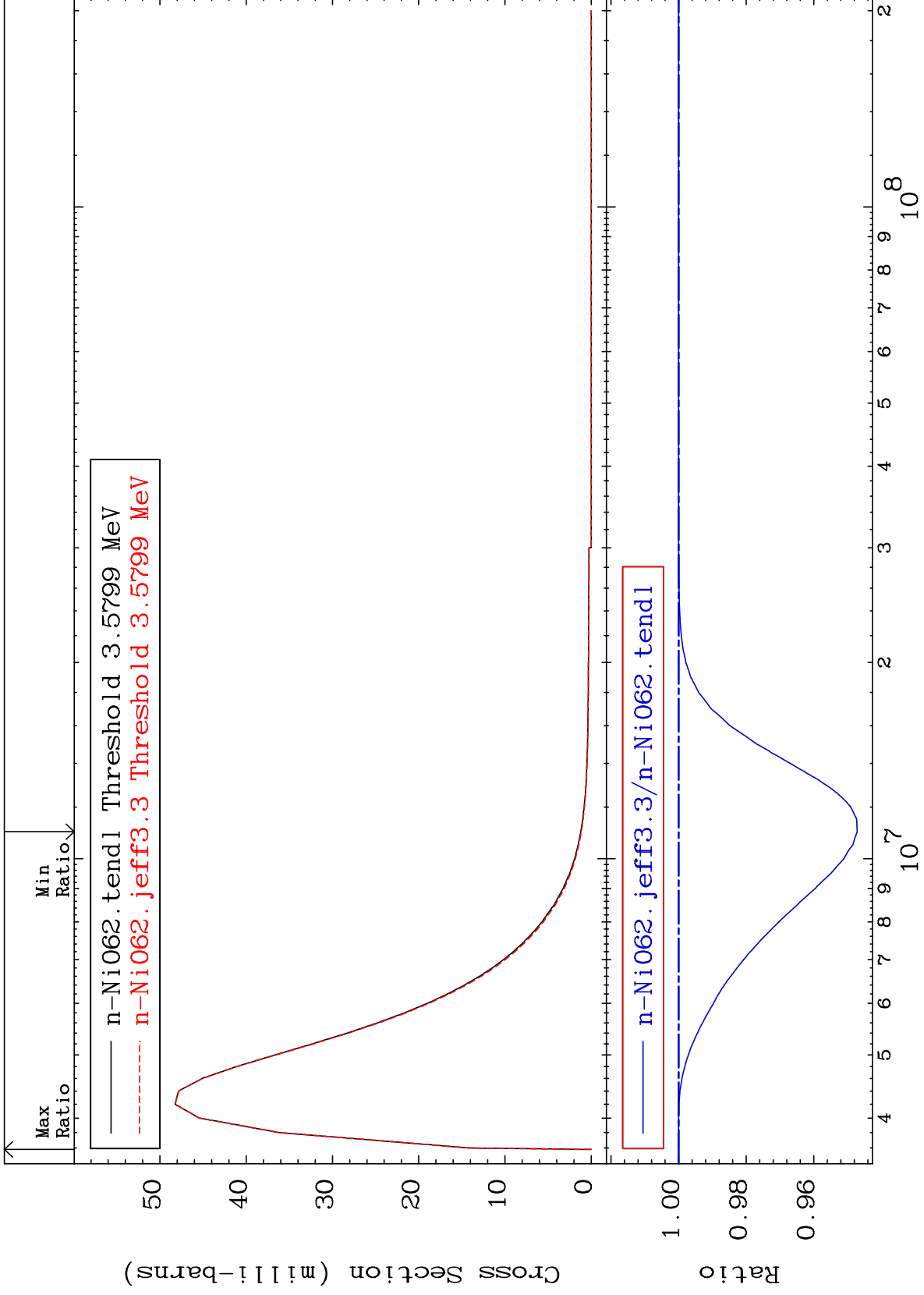
28-Ni-62
-3.816 To 0.000 %



MAT 2837

MT= 68 (n,n') Level
Cross Section

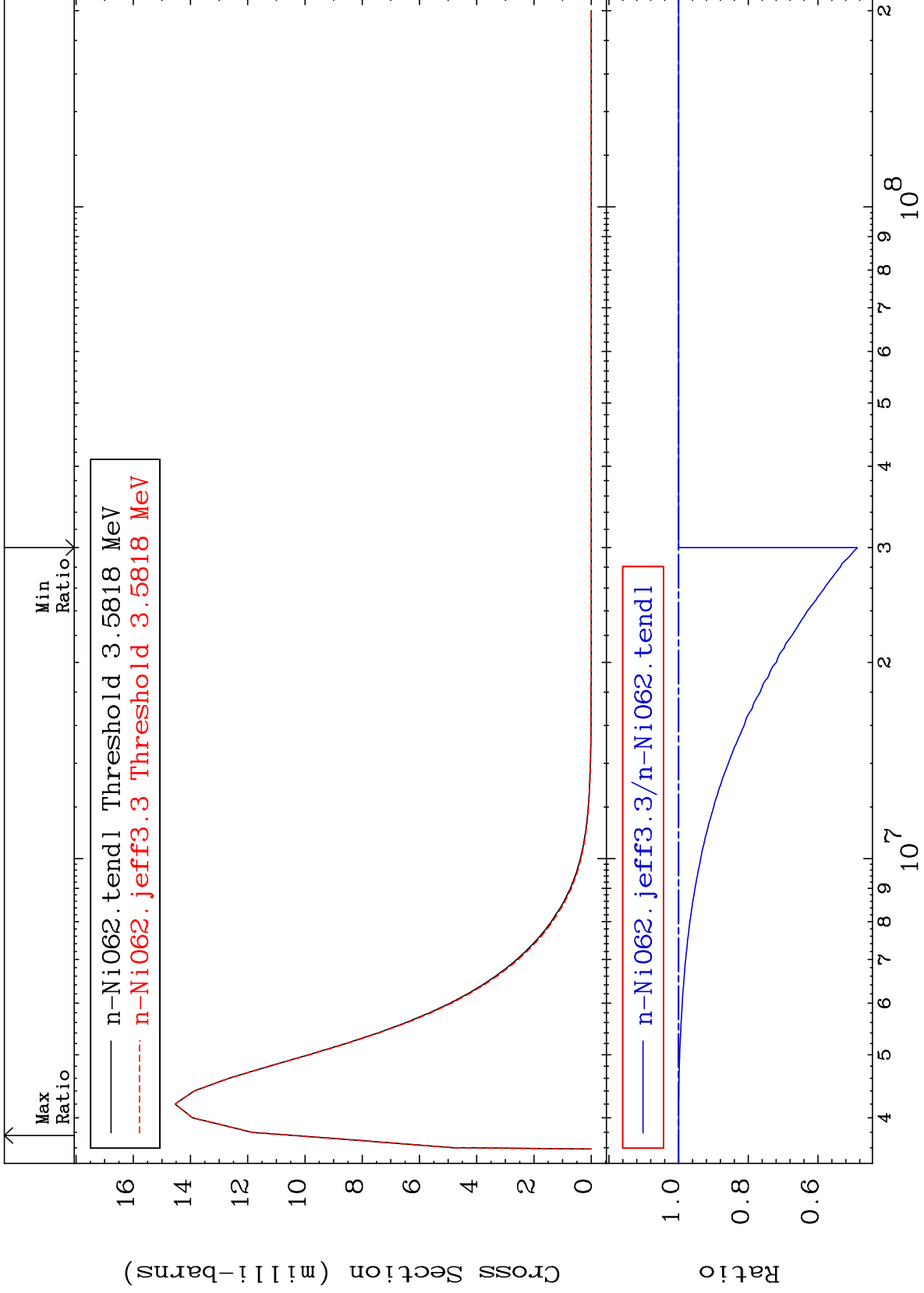
28-Ni-62
-5.289 To 0.000 %



MAT 2837

MT= 69 (n,n') Level
Cross Section

28-Ni-62
-51.30 To 0.000 %



37

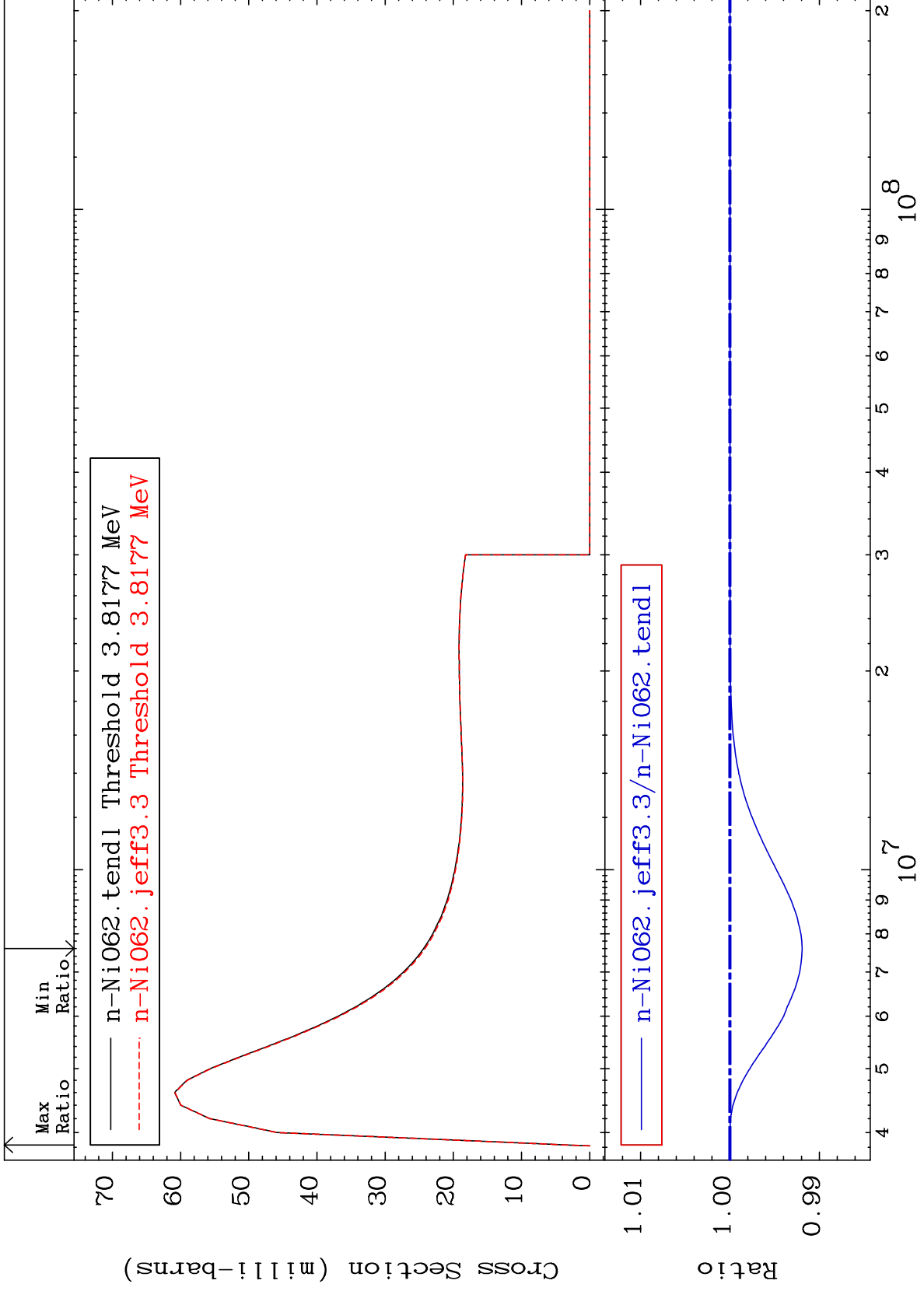
Incident Energy (eV)

28-Ni-62

MAT 2837

MT= 70 (n,n') Level
Cross Section

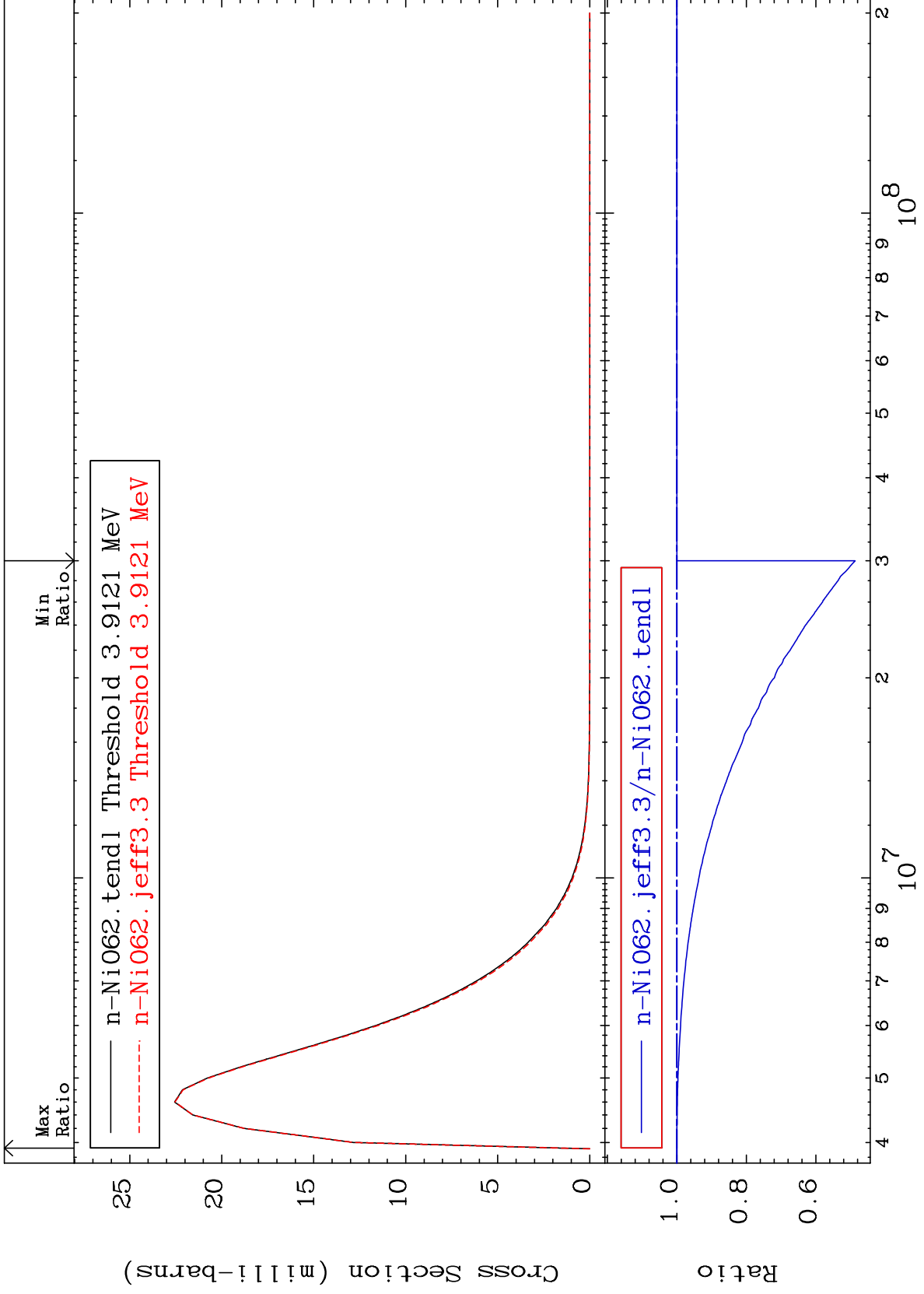
28-Ni-62
-0.807 To 0.000 %



MAT 2837

MT= 71 (n,n') Level
Cross Section

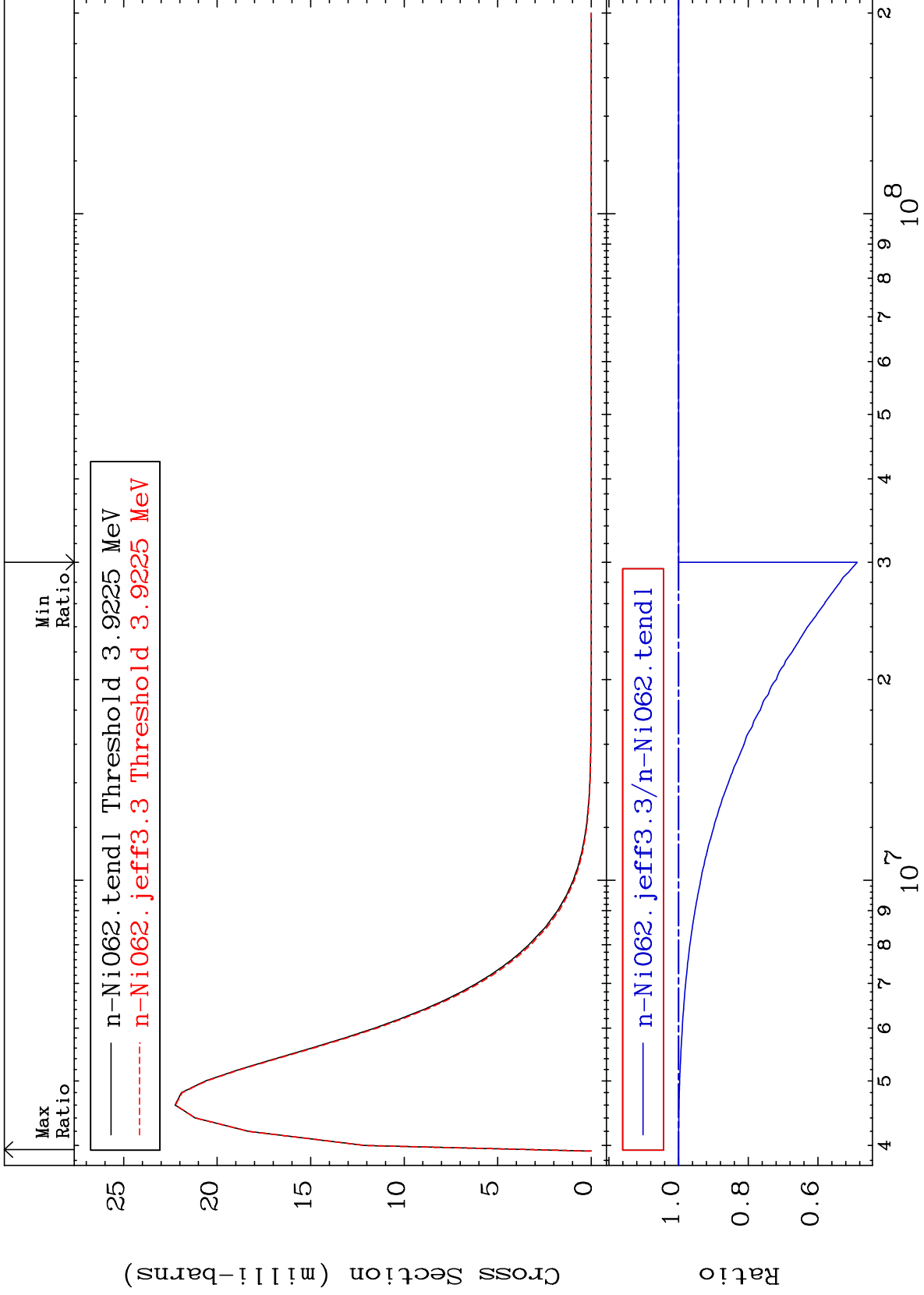
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 72 (n,n') Level
Cross Section

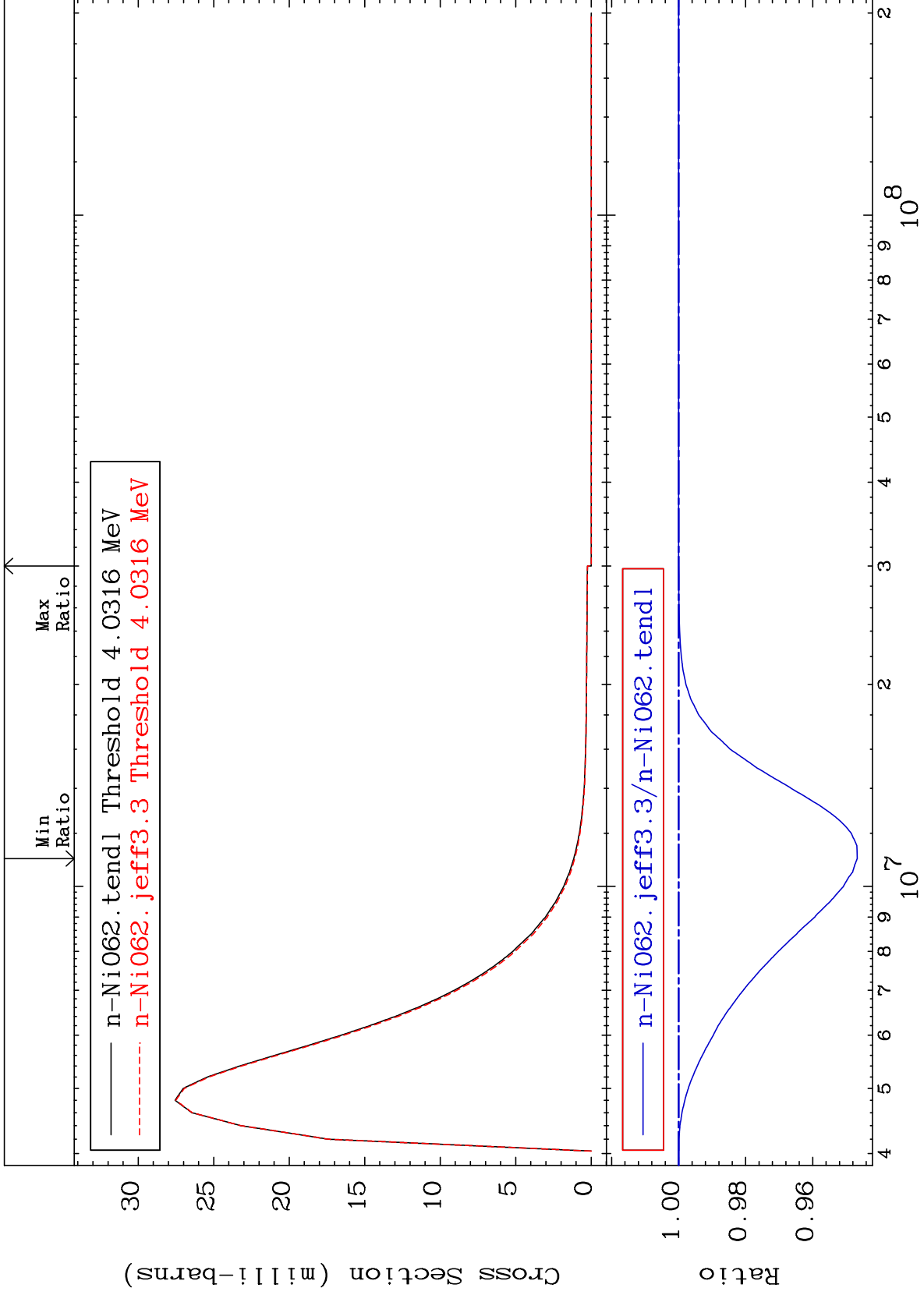
28-Ni-62
-51.30 To 0.000 %



MAT 2837

MT= 73 (n,n') Level
Cross Section

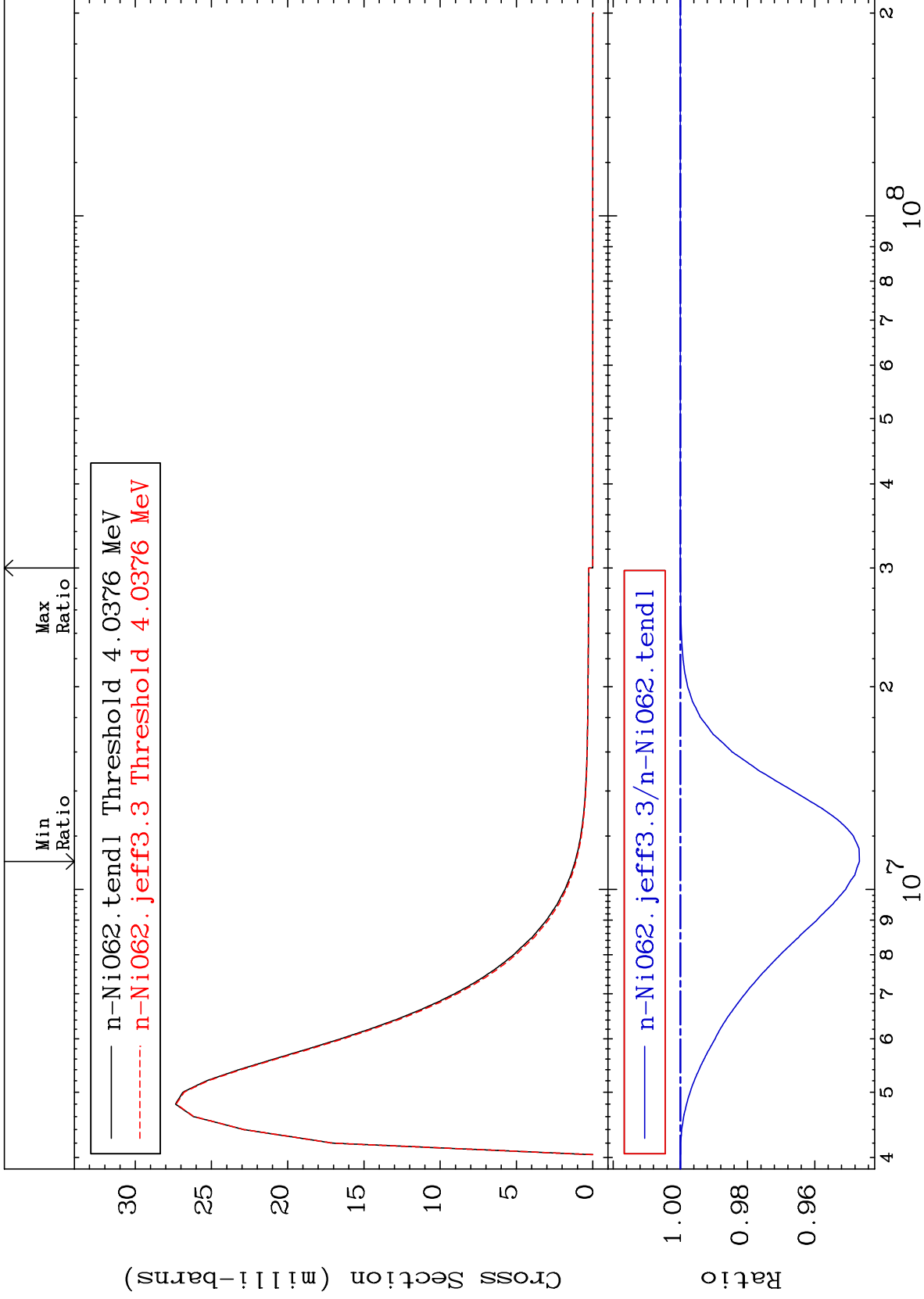
28-Ni-62
-5.330 To 0.000 %



MAT 2837

MT= 74 (n,n') Level
Cross Section

28-Ni-62
-5.331 To 0.000 %



42

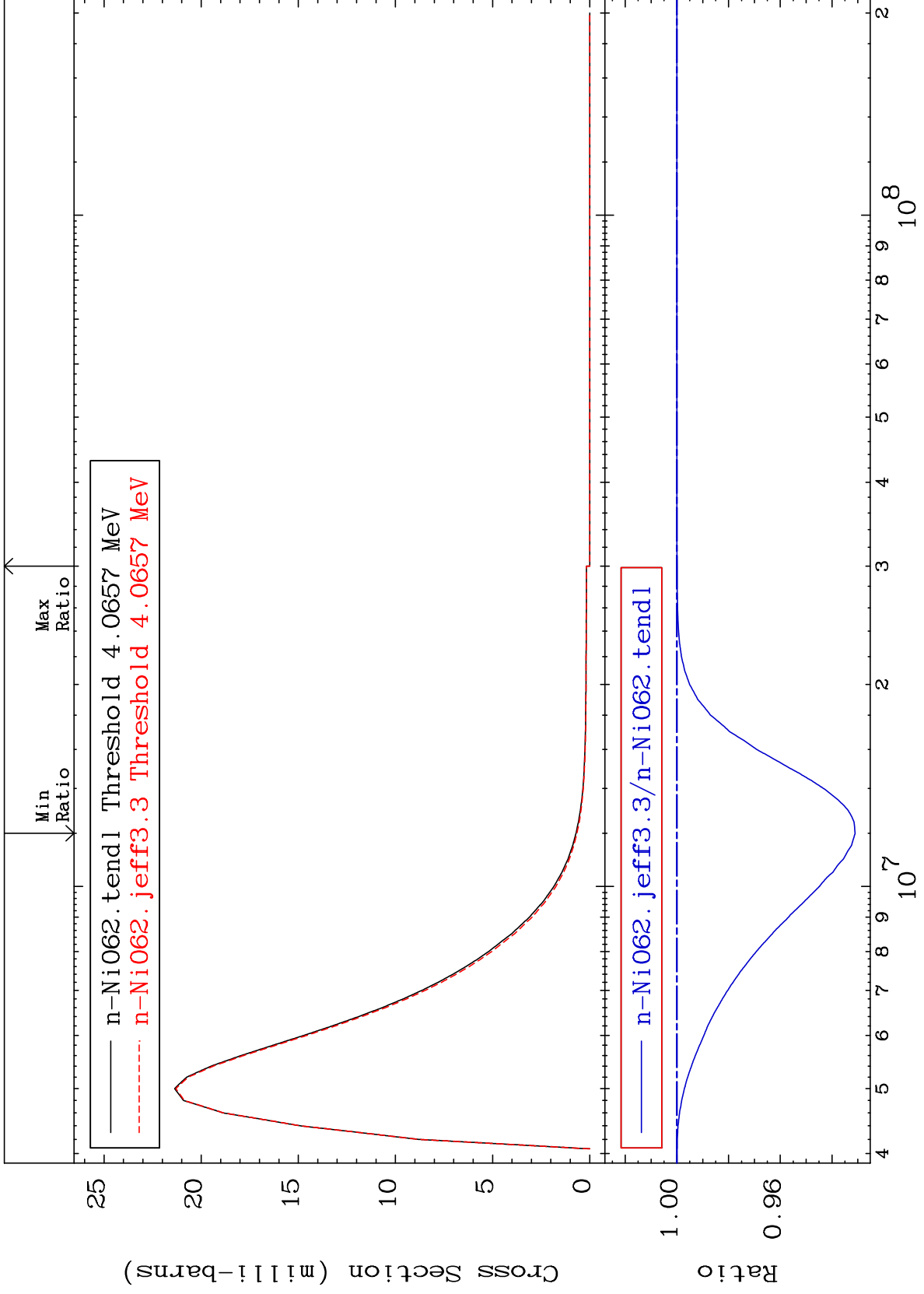
Incident Energy (eV)

28-Ni-62

MAT 2837

MT= 75 (n,n') Level
Cross Section

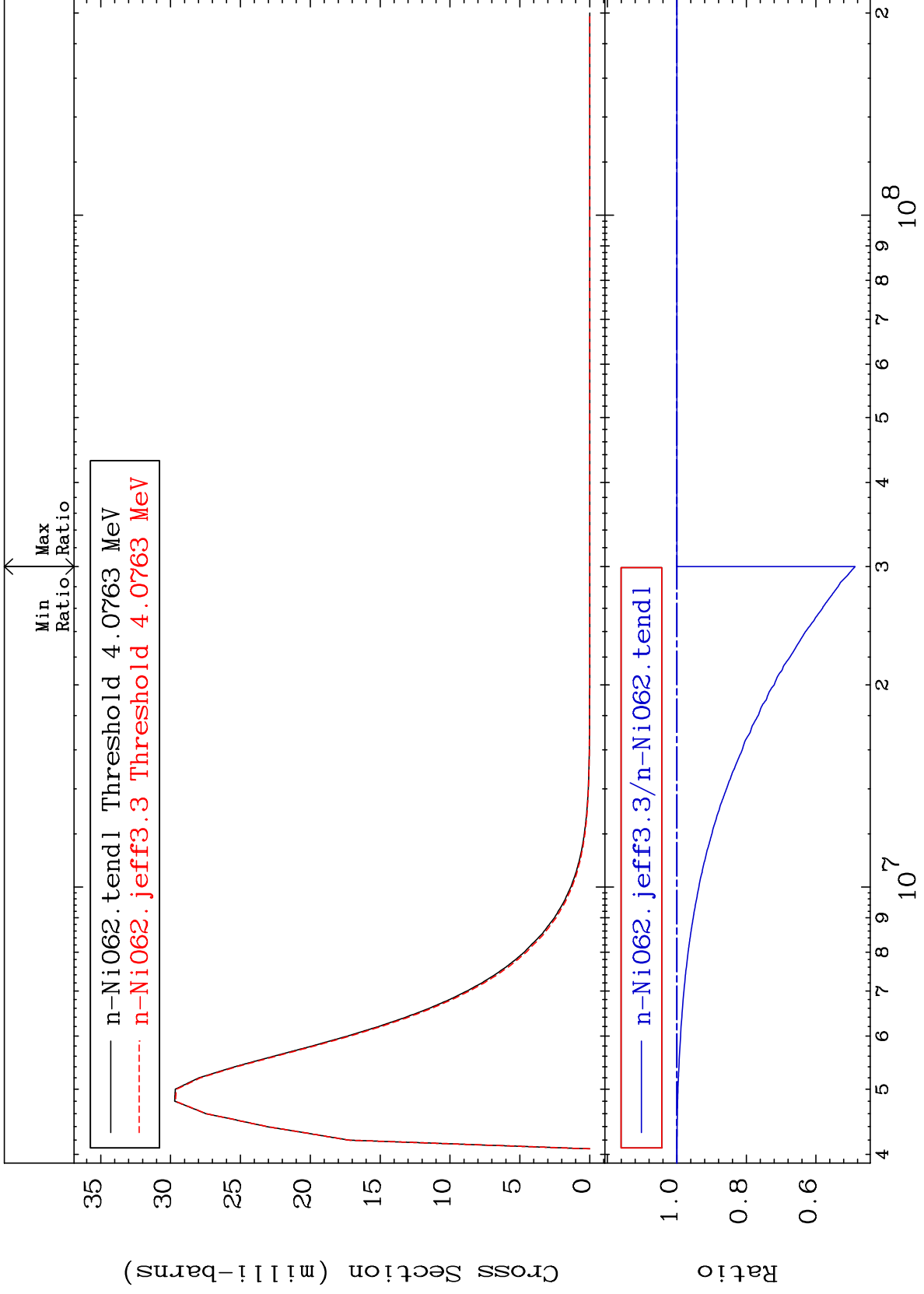
28-Ni-62
-6.895 To 0.000 %



MAT 2837

MT= 76 (n,n') Level
Cross Section

28-Ni-62
-51.30 To 0.000 %



44

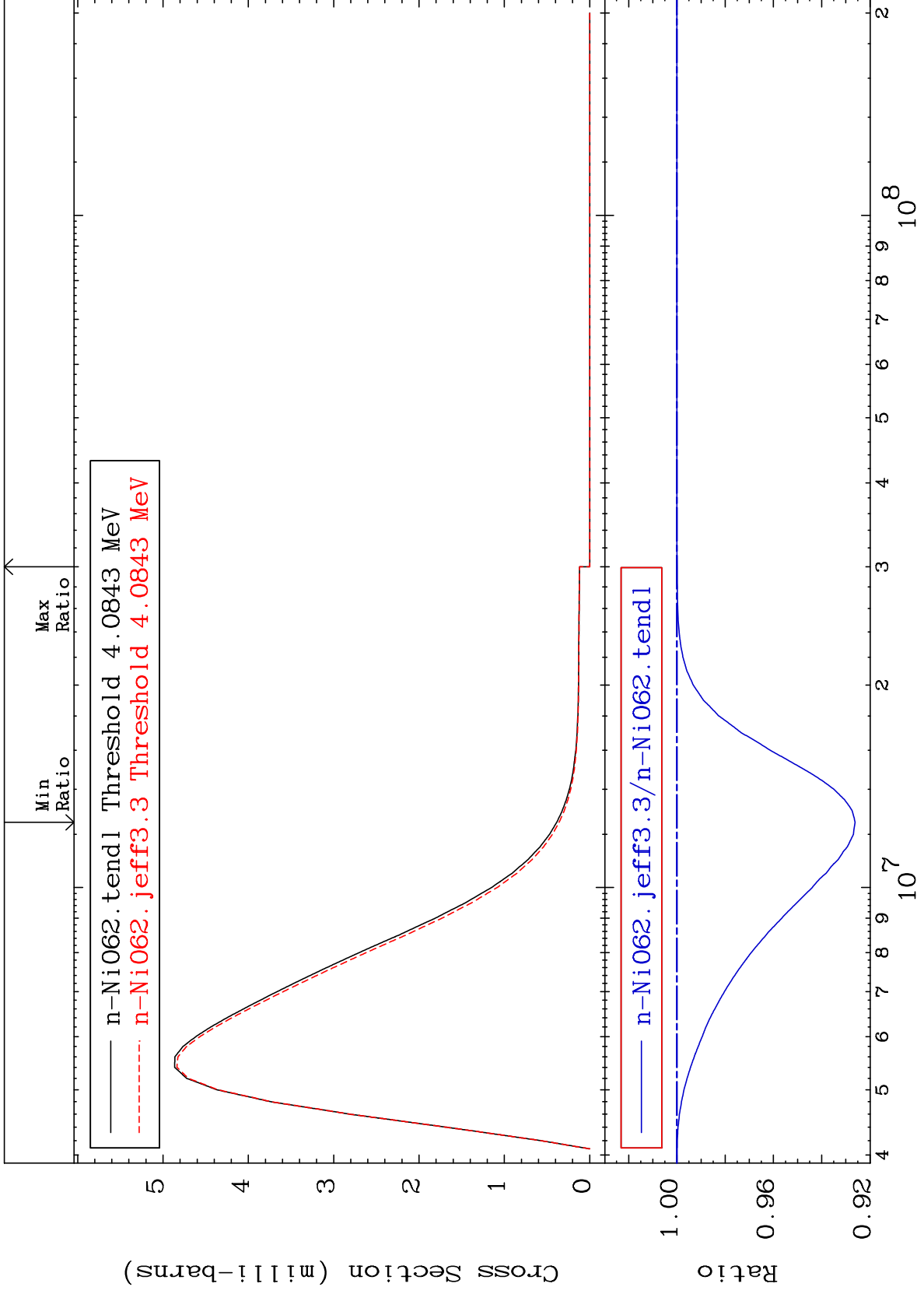
Incident Energy (eV)

28-Ni-62

MAT 2837

MT= 77 (n,n') Level
Cross Section

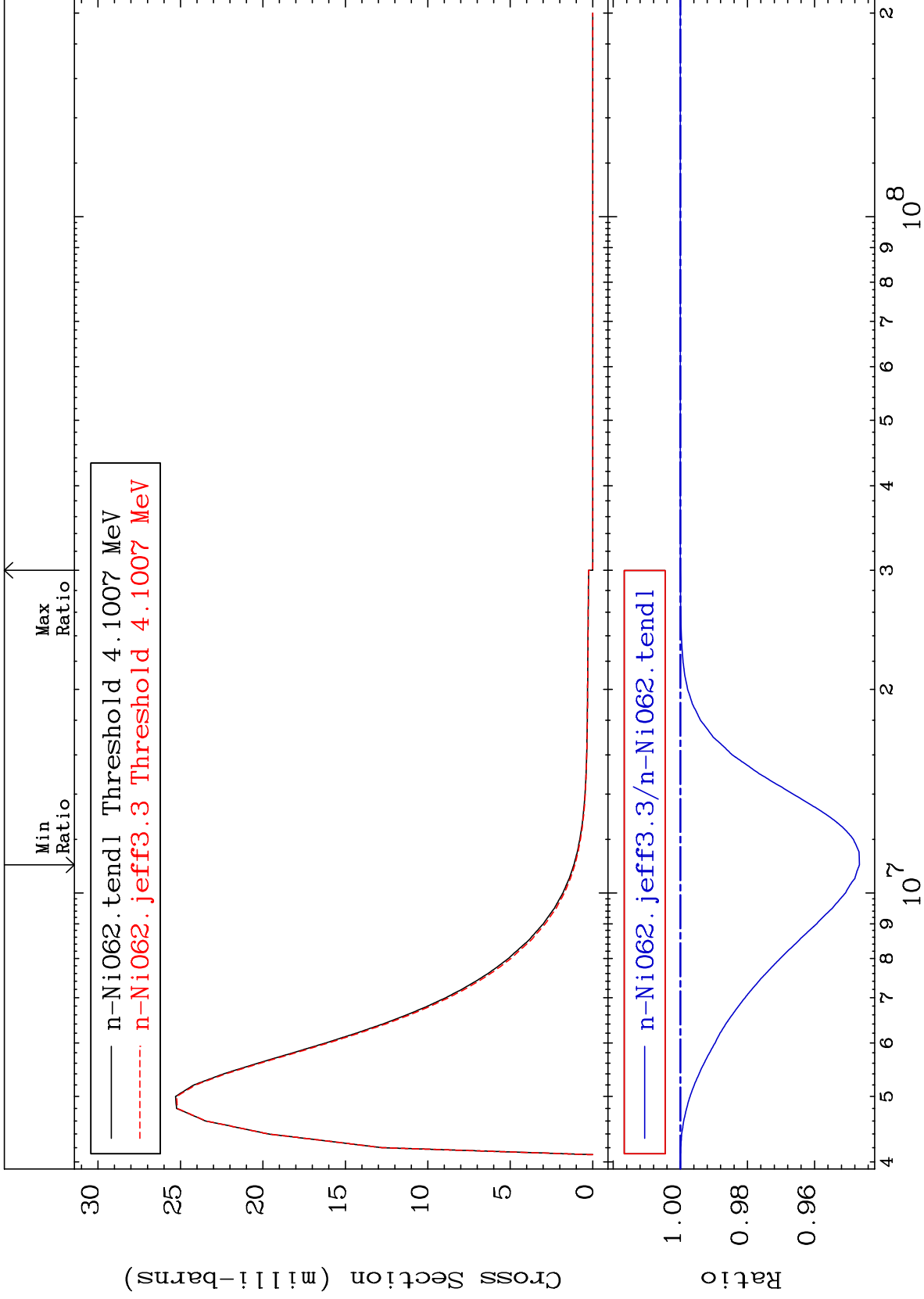
28-Ni-62
-7.384 To 0.000 %



MAT 2837

MT= 78 (n,n') Level
Cross Section

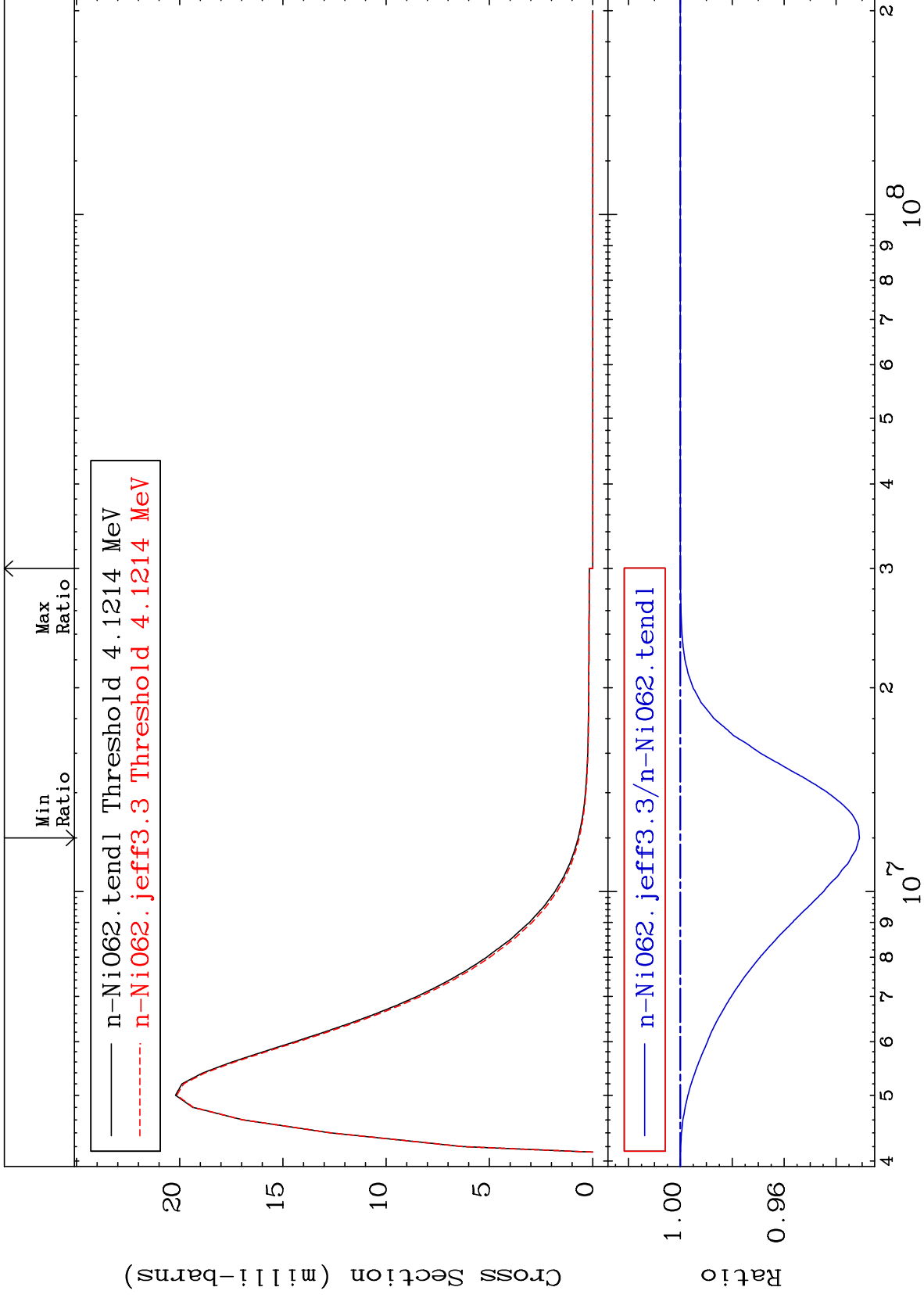
28-Ni-62
-5.338 To 0.000 %



MAT 2837

MT= 79 (n,n') Level
Cross Section

28-Ni-62
-6.899 To 0.000 %



47

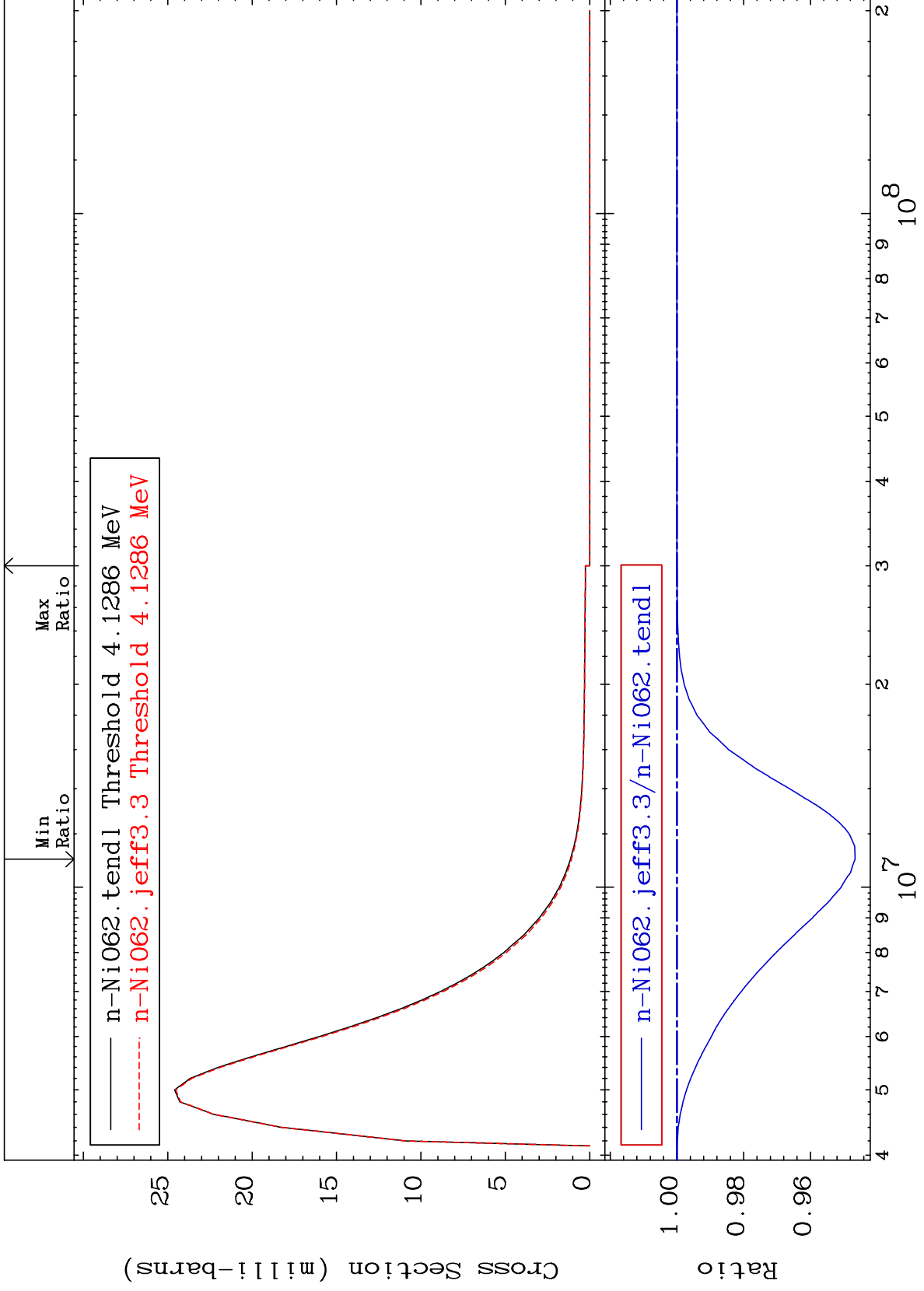
Incident Energy (eV)

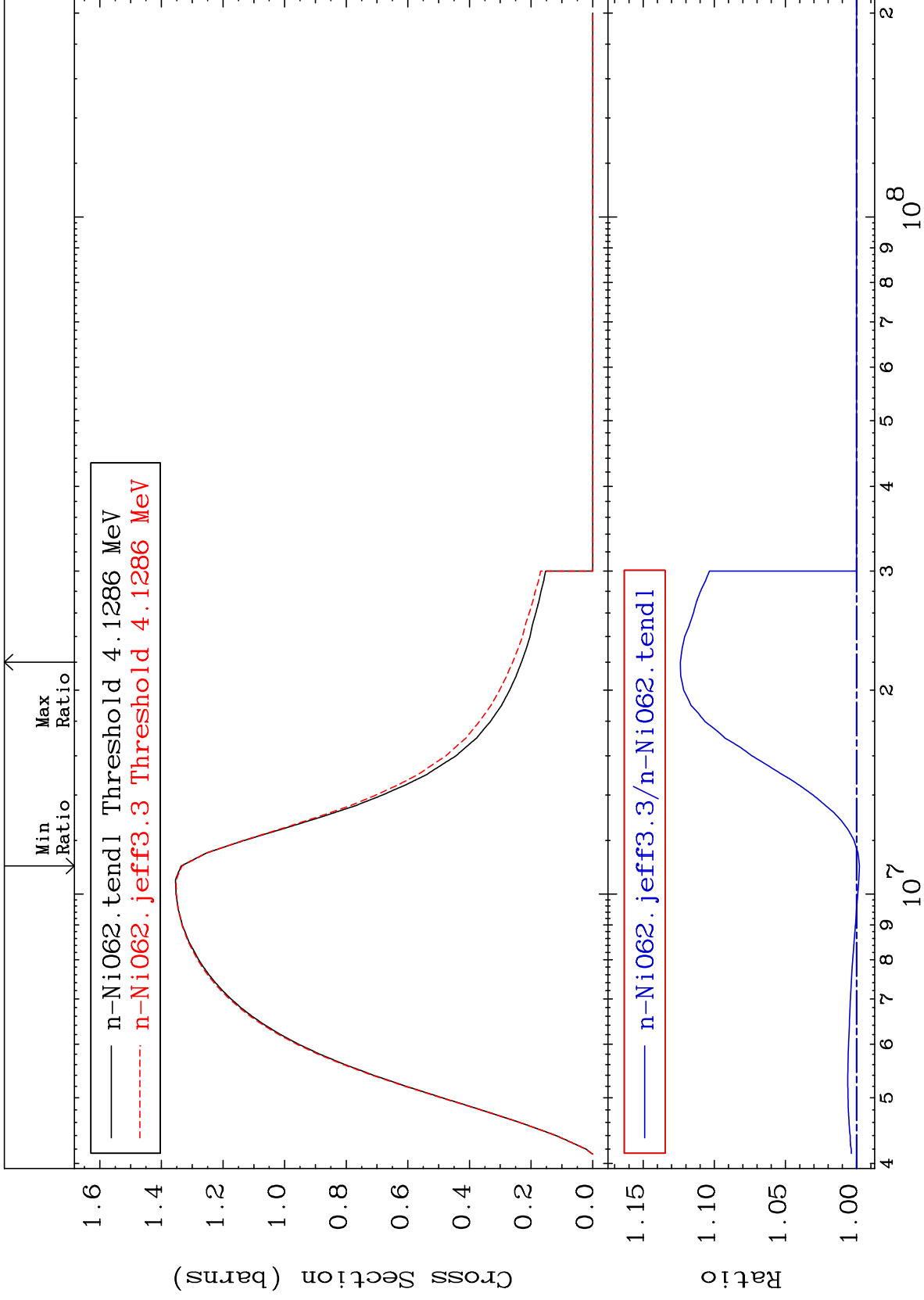
28-Ni-62

MAT 2837

MT= 80 (n,n') Level
Cross Section

28-Ni-62
-5.340 To 0.000 %

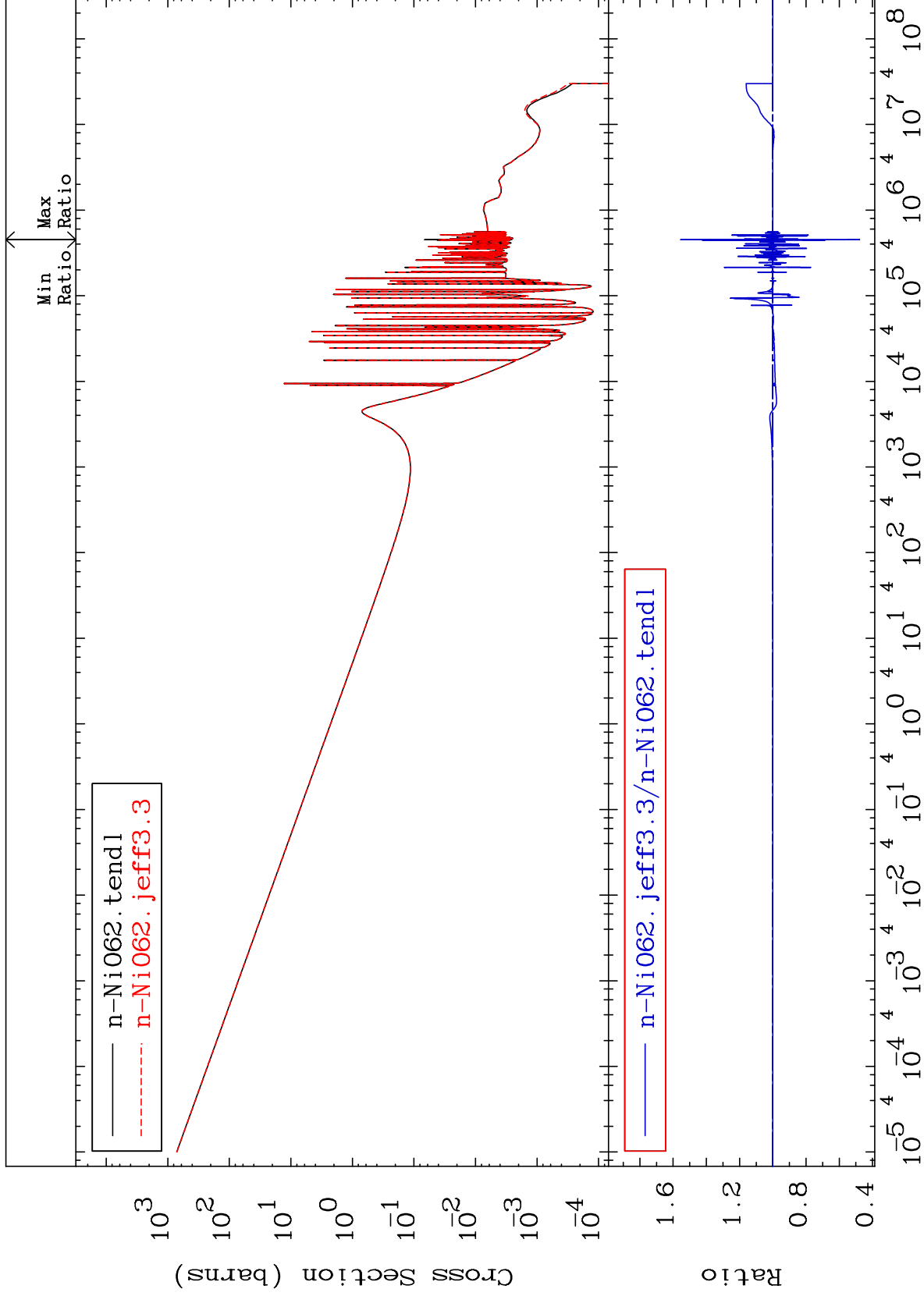




MAT 2837

(n, γ)
Cross Section

28-Ni-62
-52.20 To 55.39 %



50

Incident Energy (eV)

28-Ni-62

MAT 2837

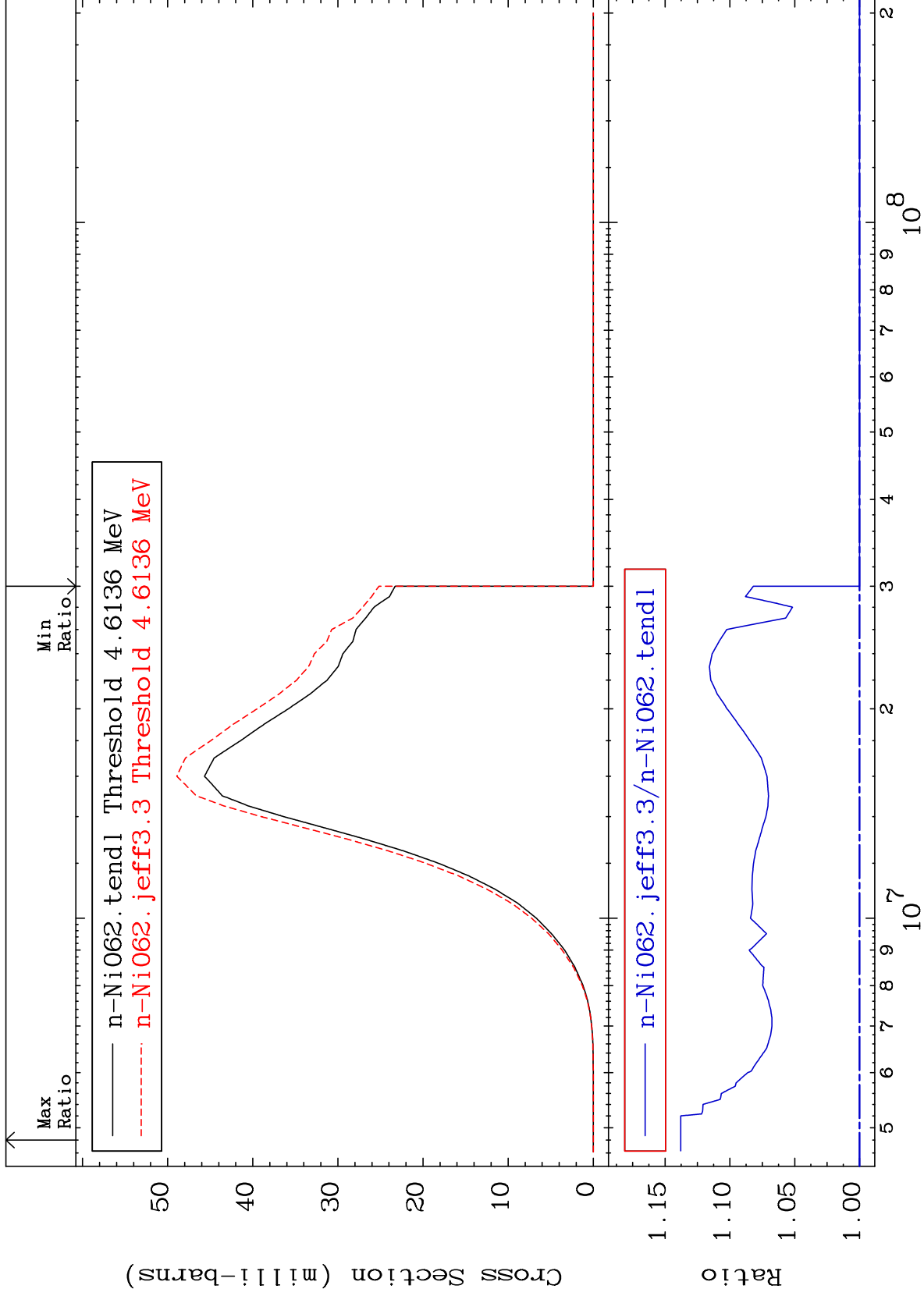
(n,p)

28-Ni-62

Cross Section

0.000

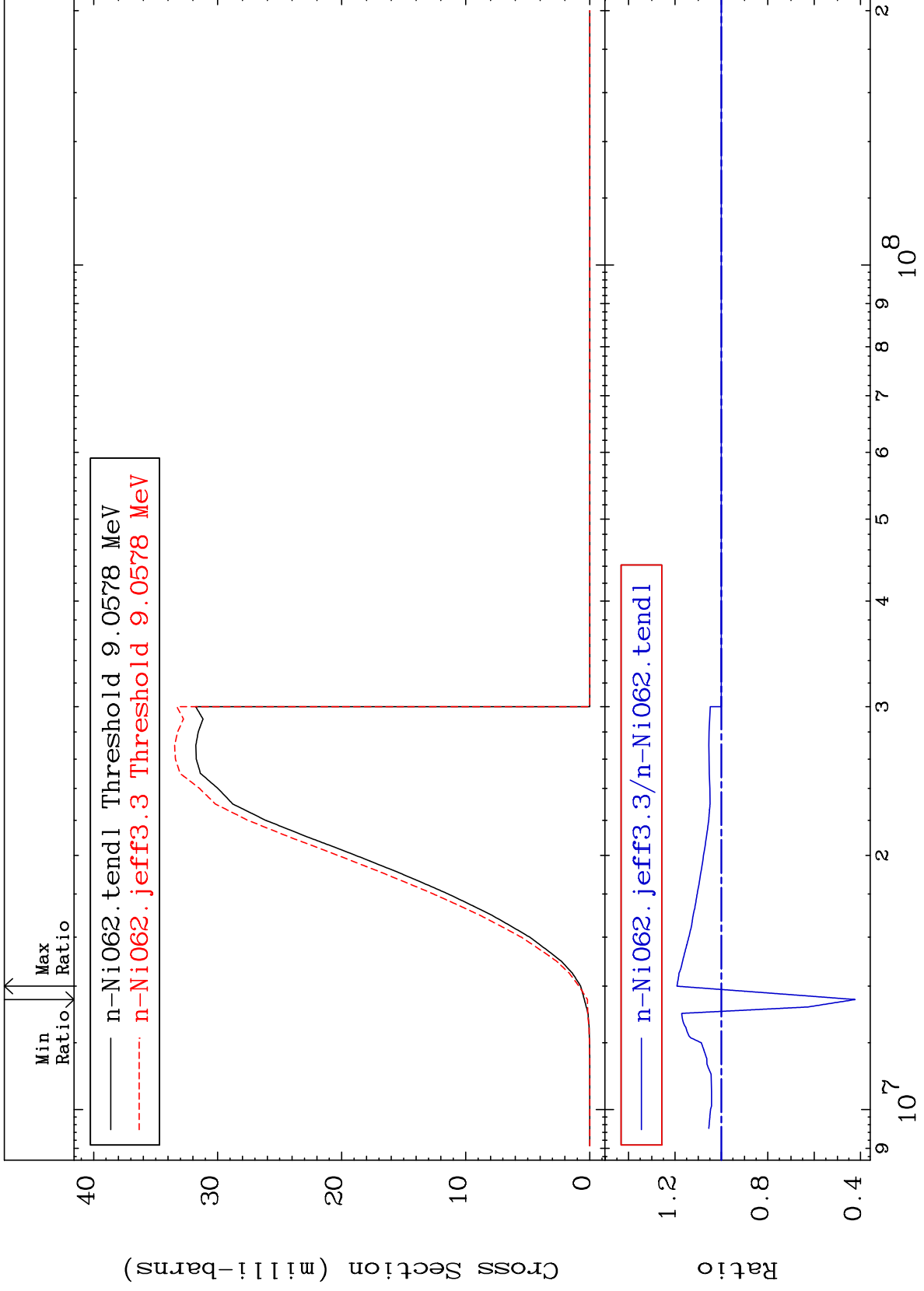
To 13.78 %



MAT 2837

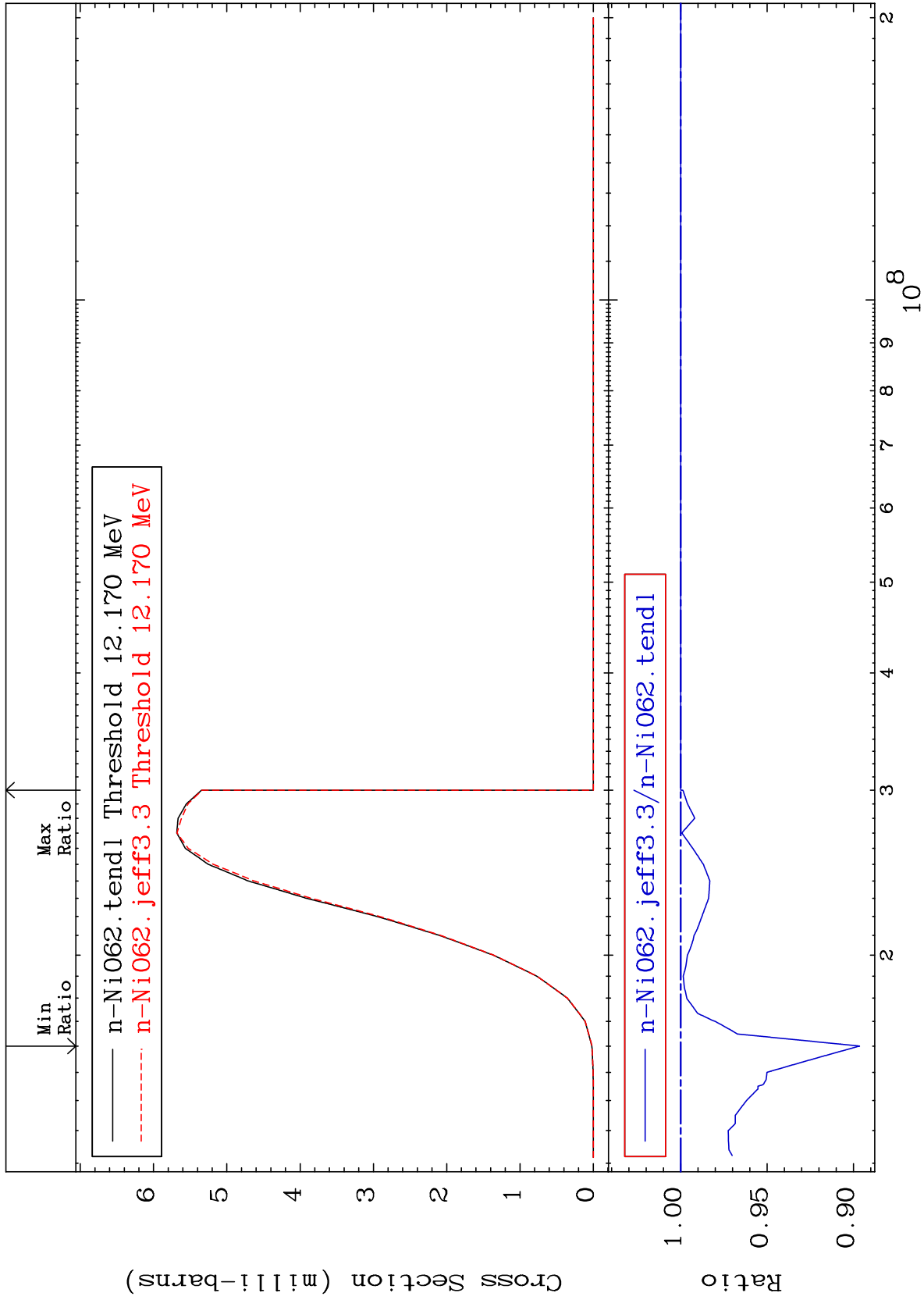
(n, d)
Cross Section

28-Ni-62
-57.65 To 19.17 %



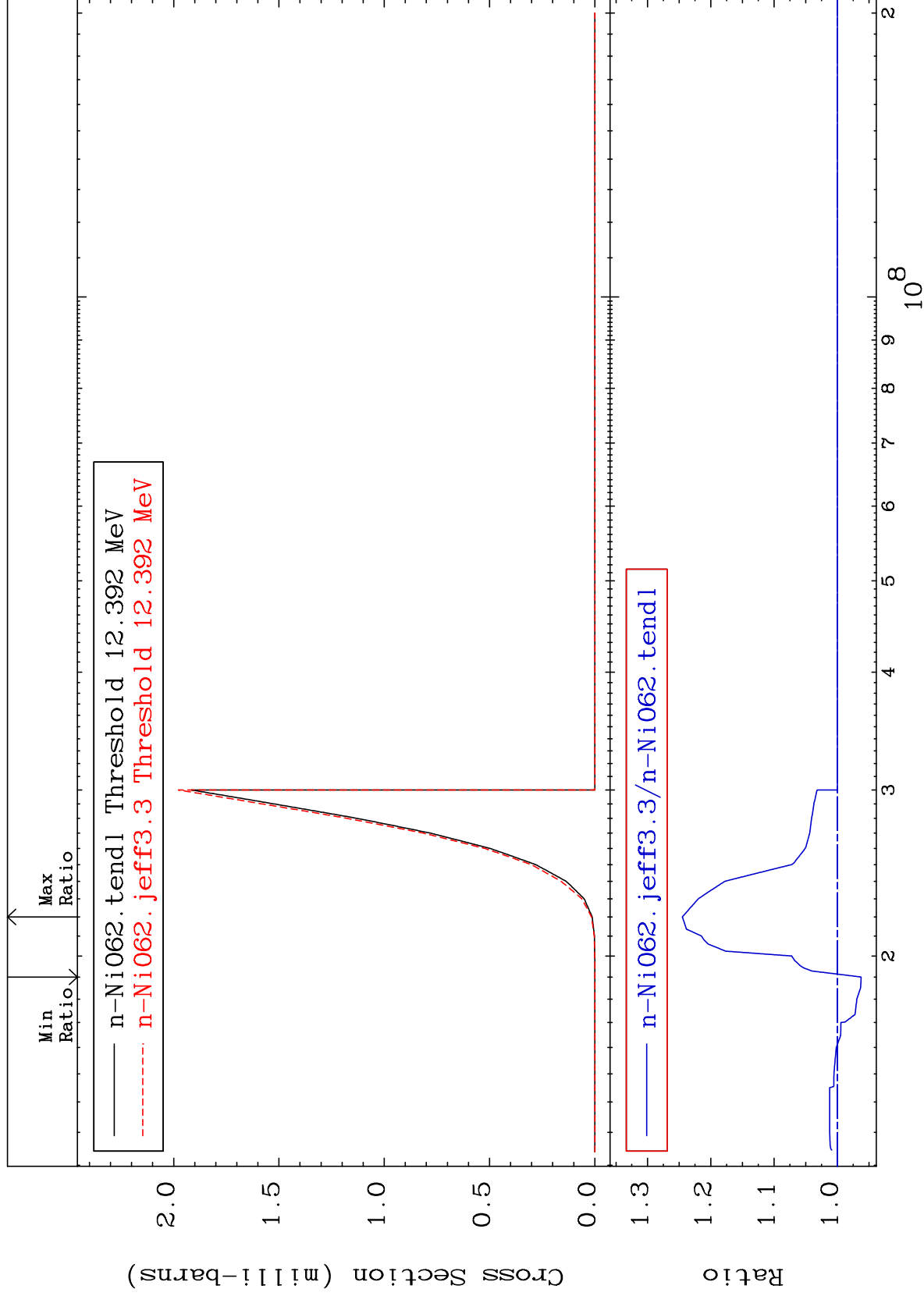
Cross Section

-10.35 To 0.000 %



Cross Section

-3.757 To 24.51 %



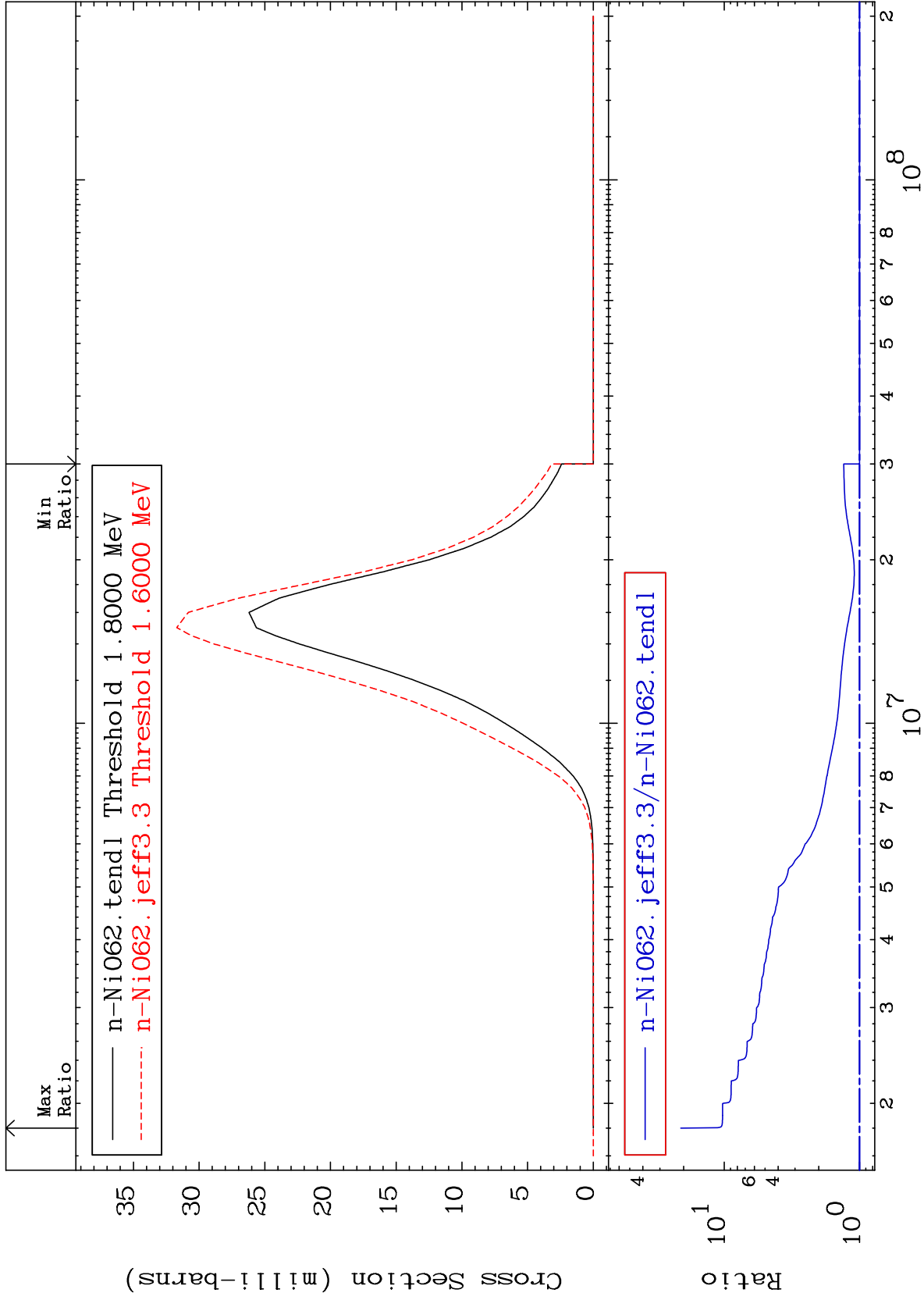
MAT 2837

(n, α)

28-Ni-62

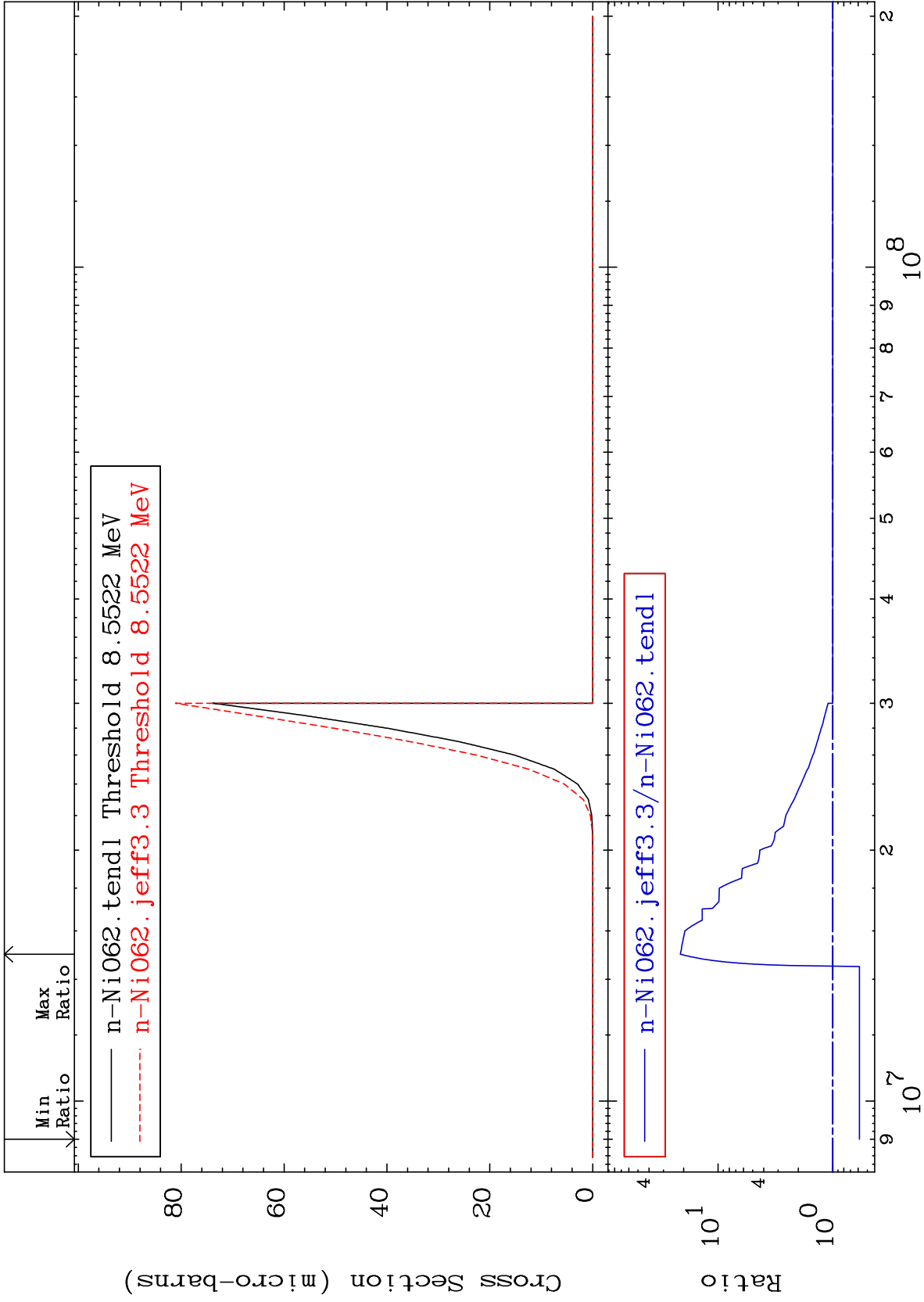
Cross Section

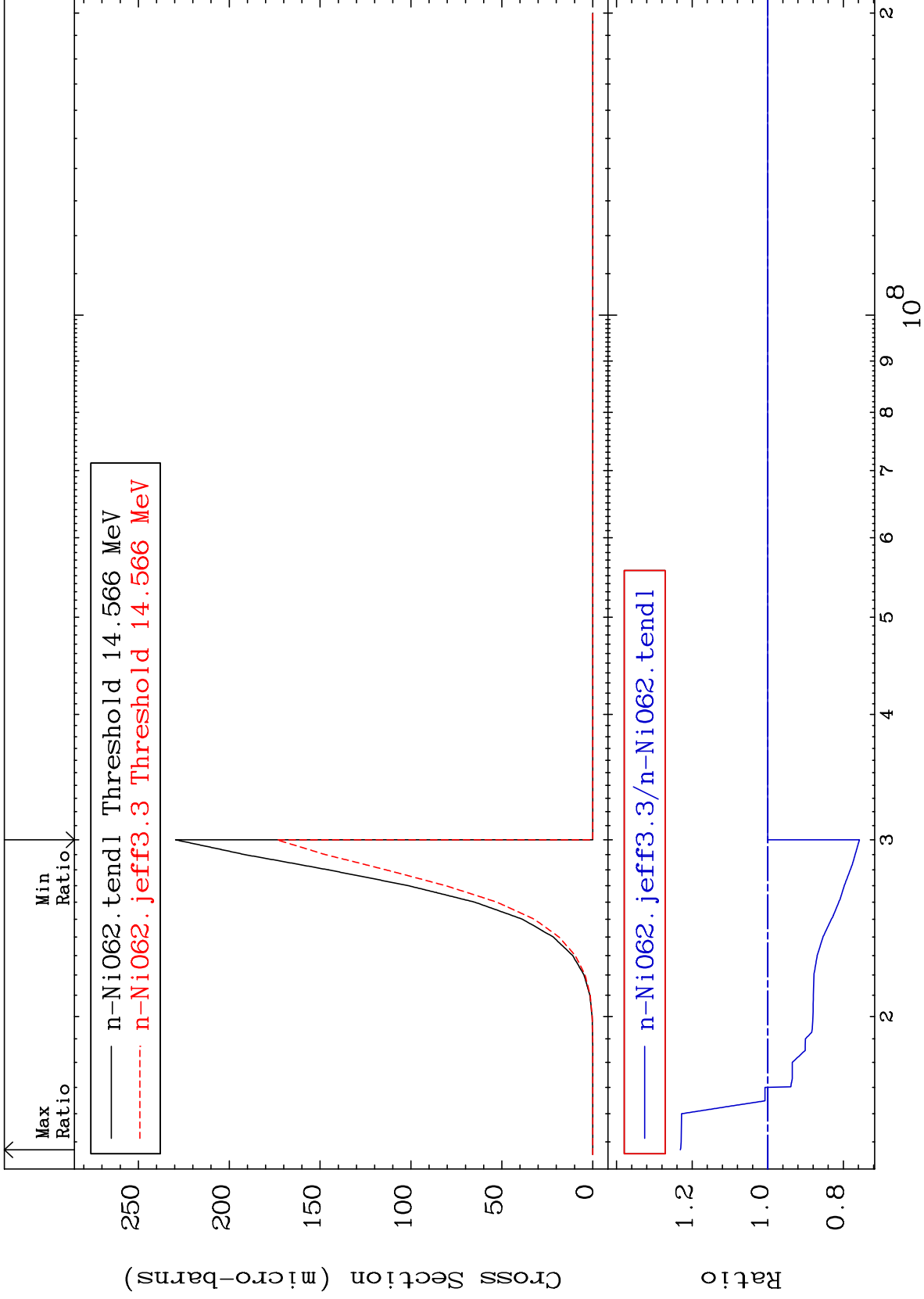
0.000 To 2000. %

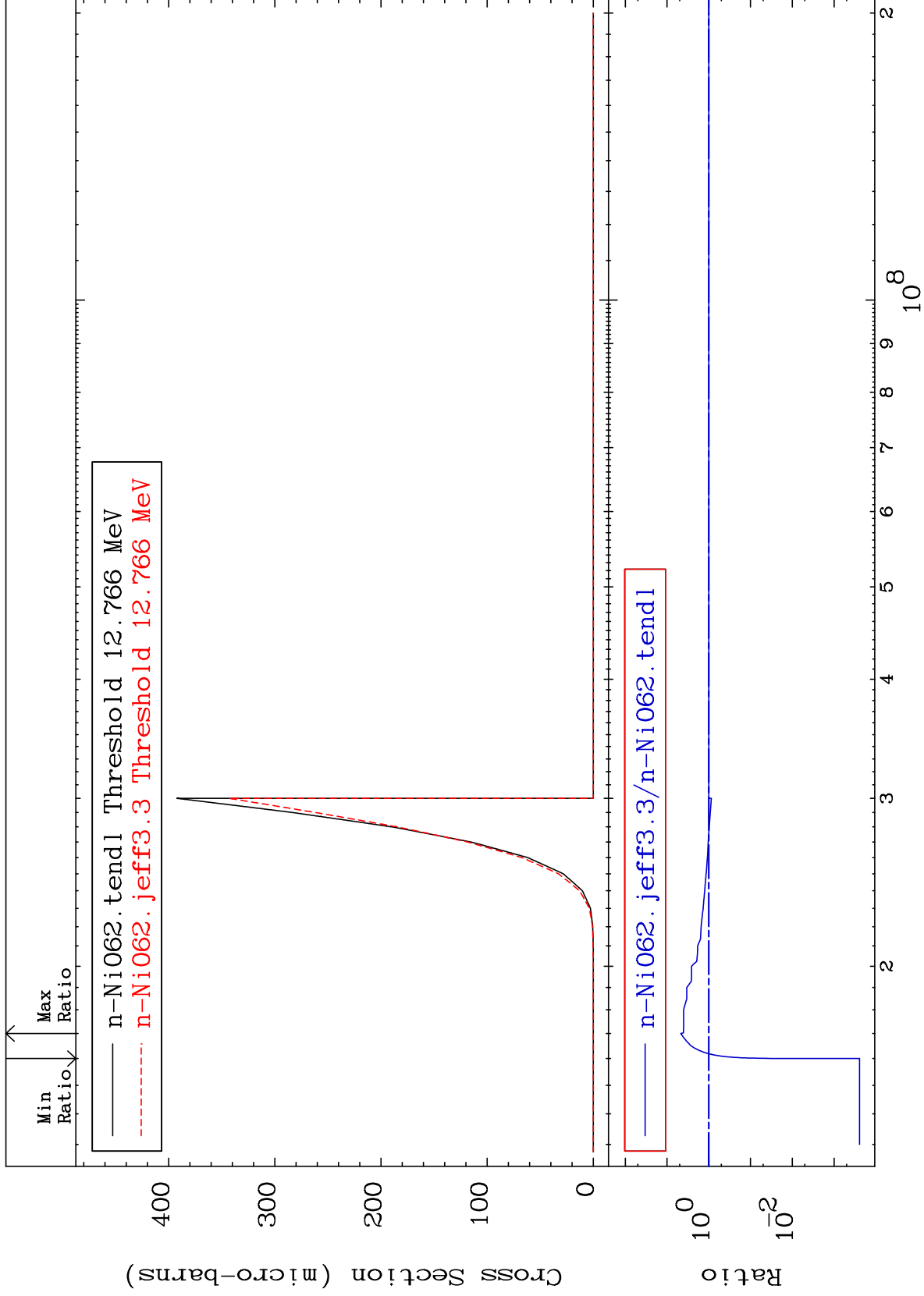


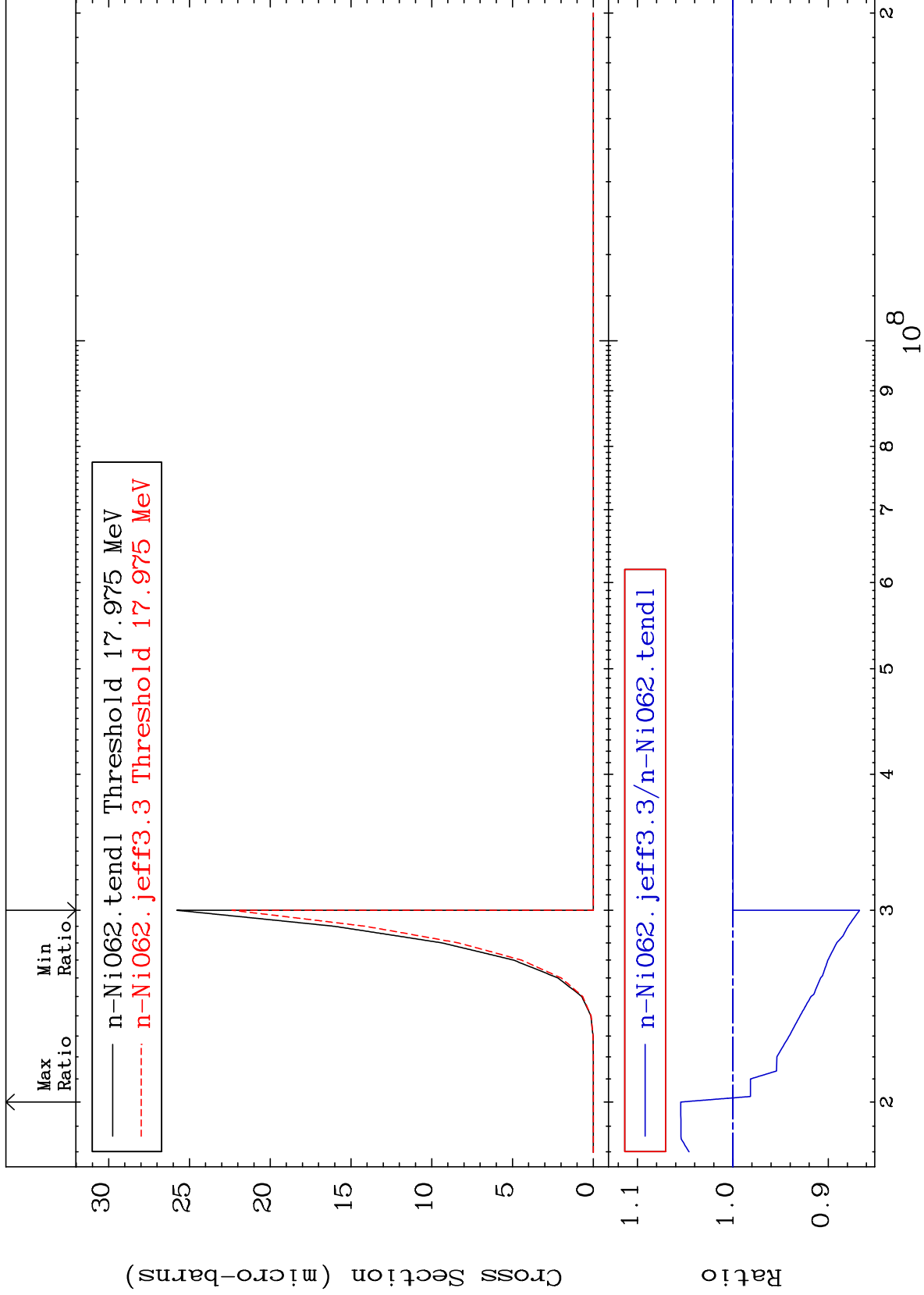
Cross Section

-41.46 To 2034. %





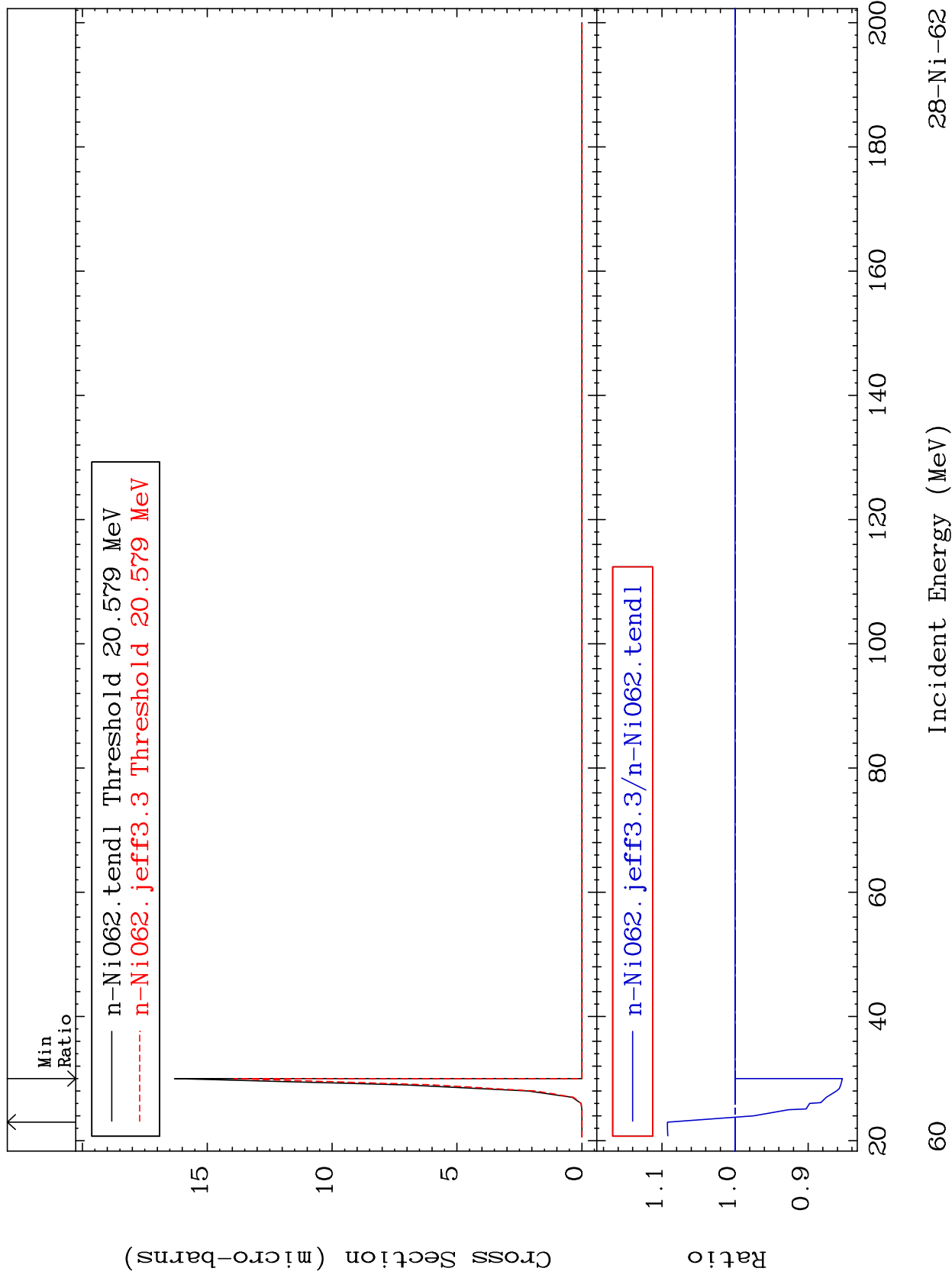




MAT 2837

(n,p) t
Cross Section

28-Ni-62
-14.68 To 9.241 %



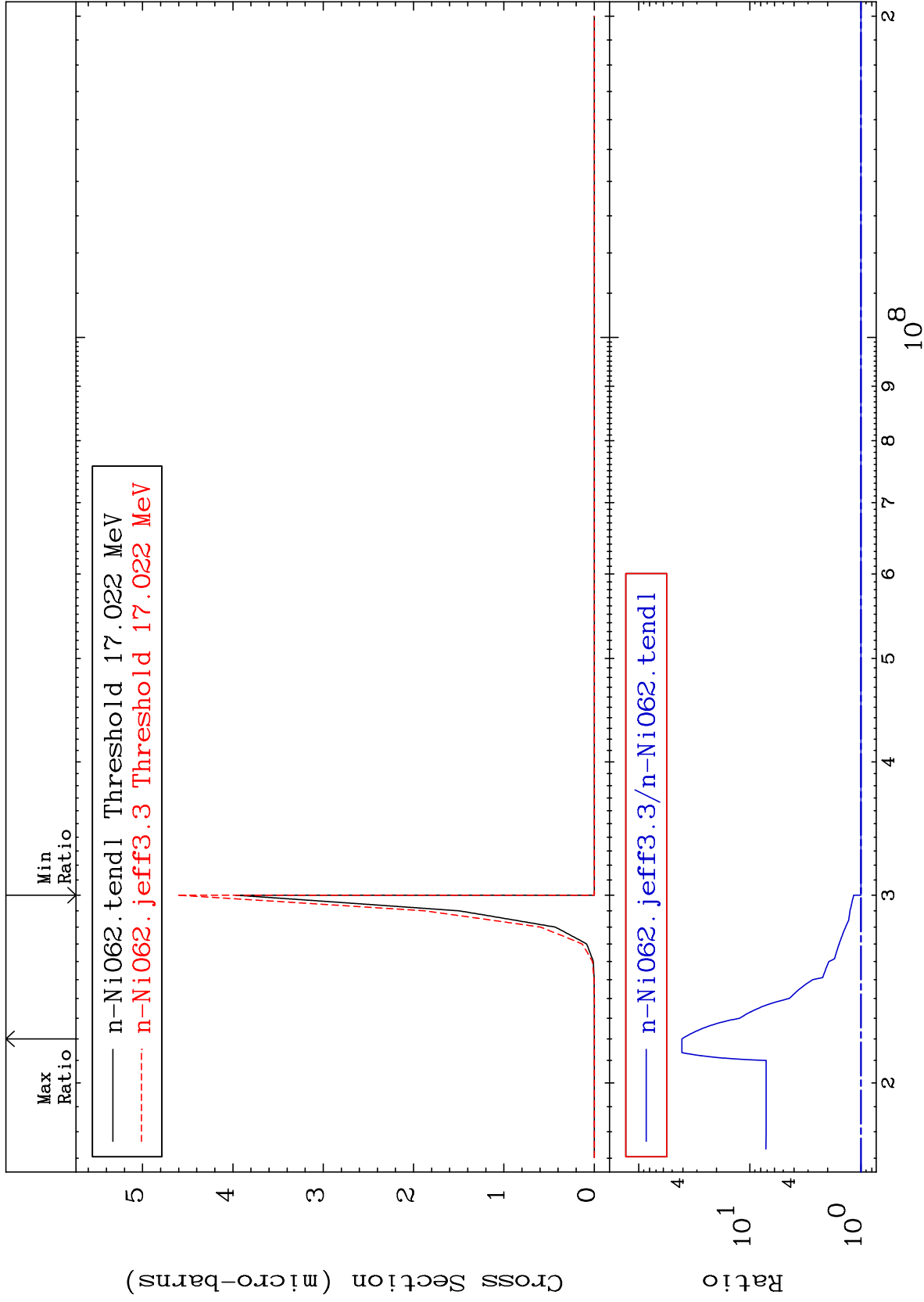
MAT 2837

(n,d) α

28-Ni-62

Cross Section

0.000 To 3984. %



61

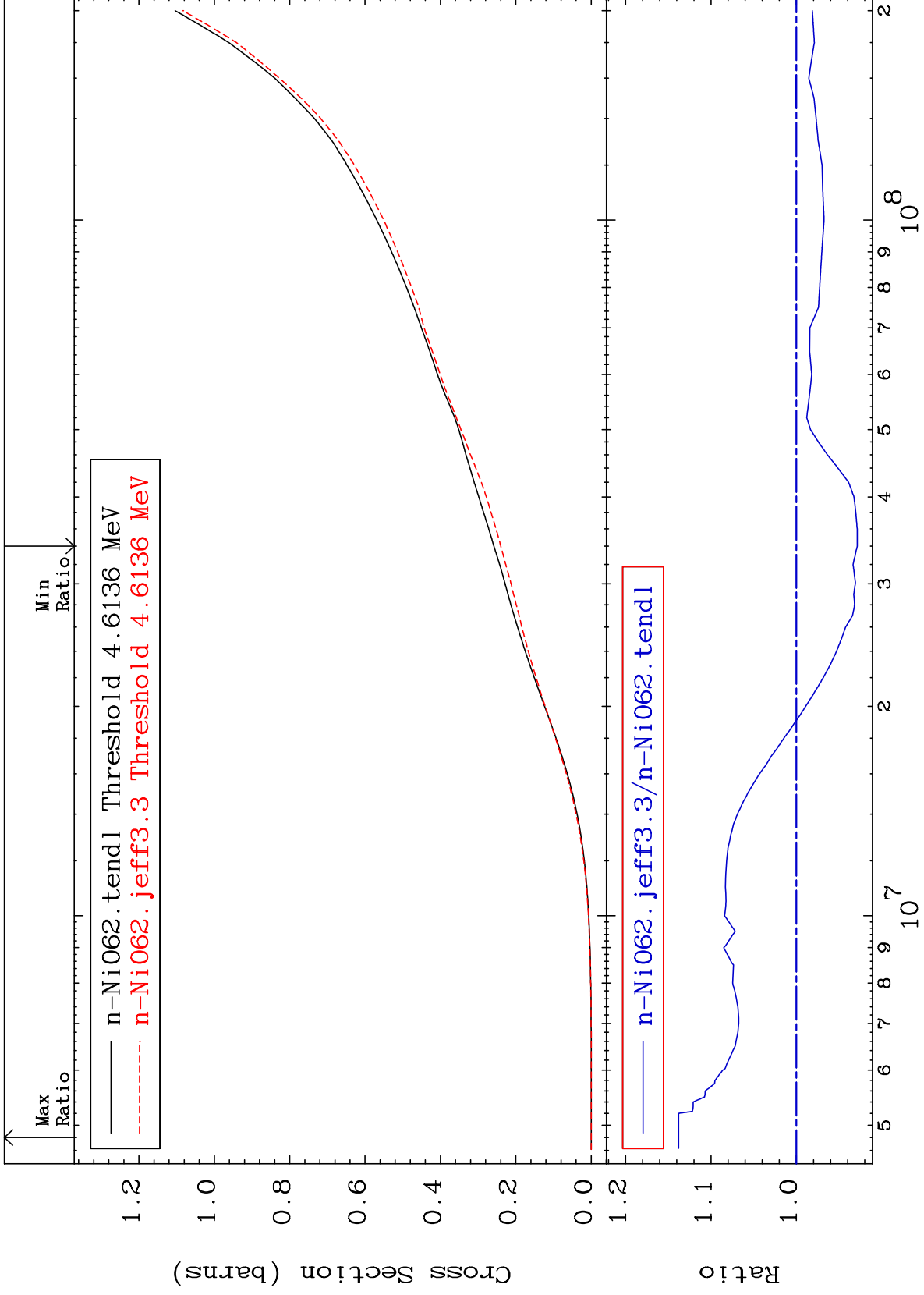
Incident Energy (eV)

28-Ni-62

MAT 2837

Hydrogen Production
Cross Section

$^{28}\text{Ni-62}$
-7.125 To 13.78 %



62

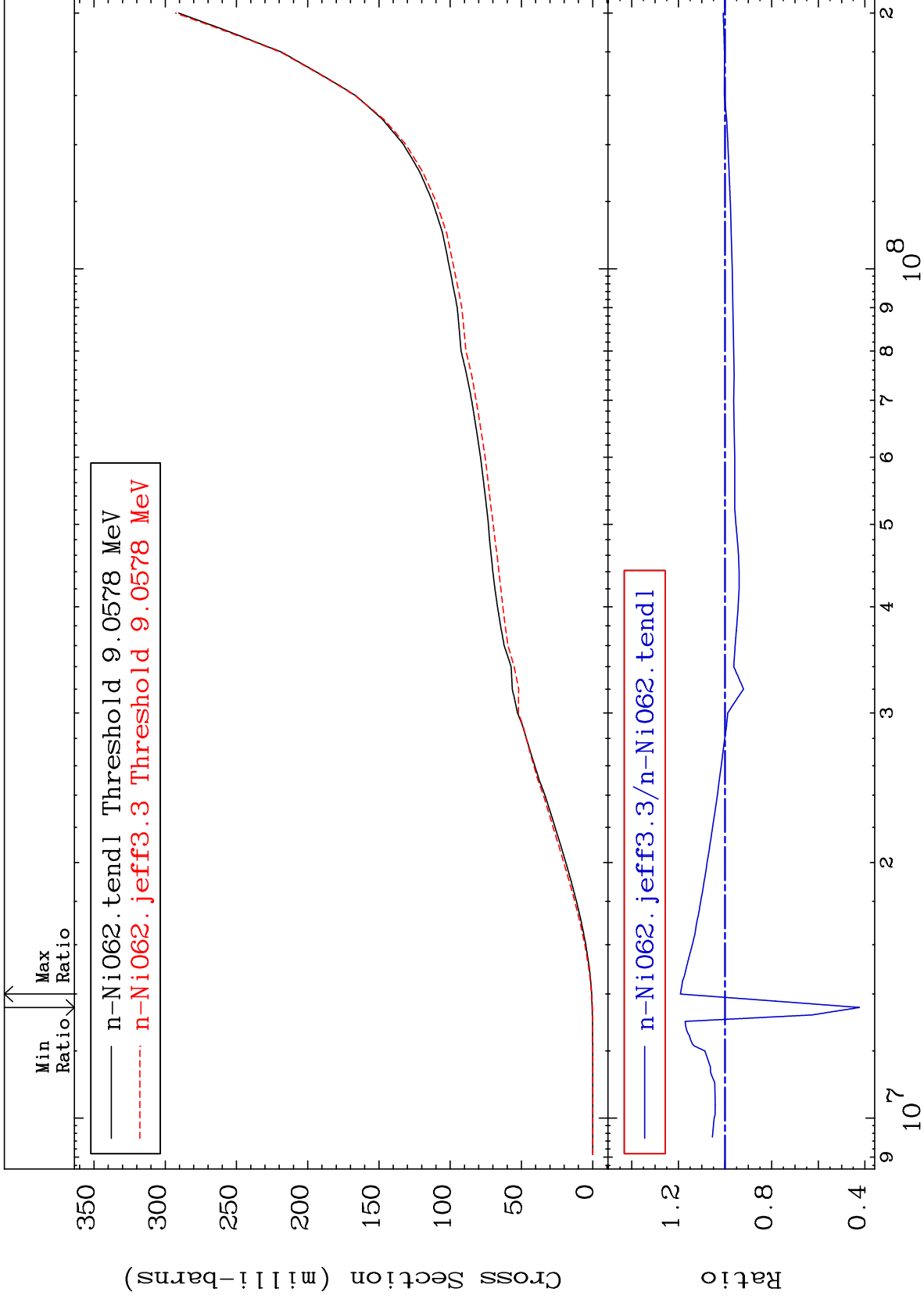
Incident Energy (eV)

$^{28}\text{Ni-62}$

MAT 2837

Deuterium Production
Cross Section

²⁸Ni-62
-57.65 To 19.17 %



63

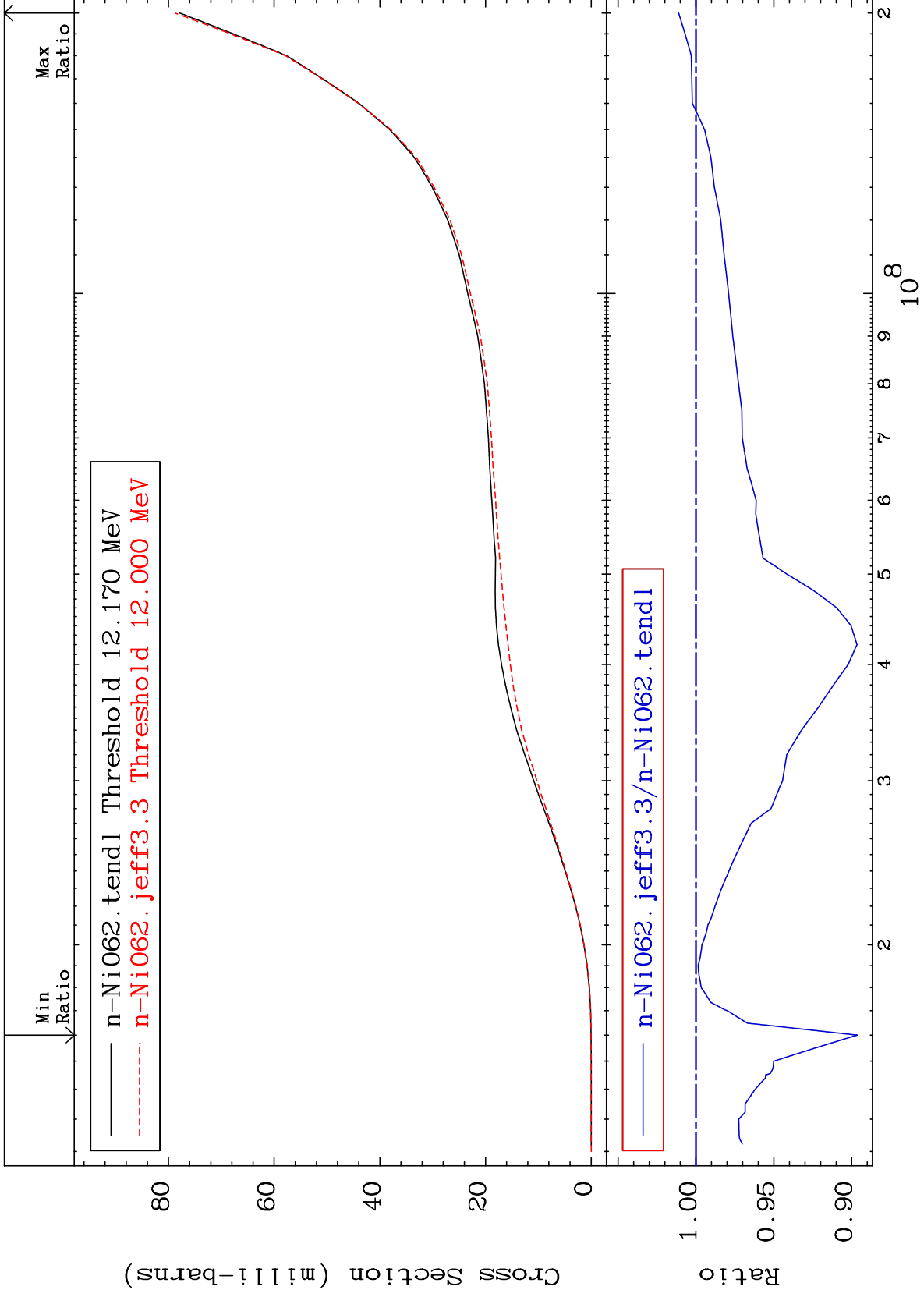
Incident Energy (eV)

²⁸Ni-62

MAT 2837

Tritium Production
Cross Section

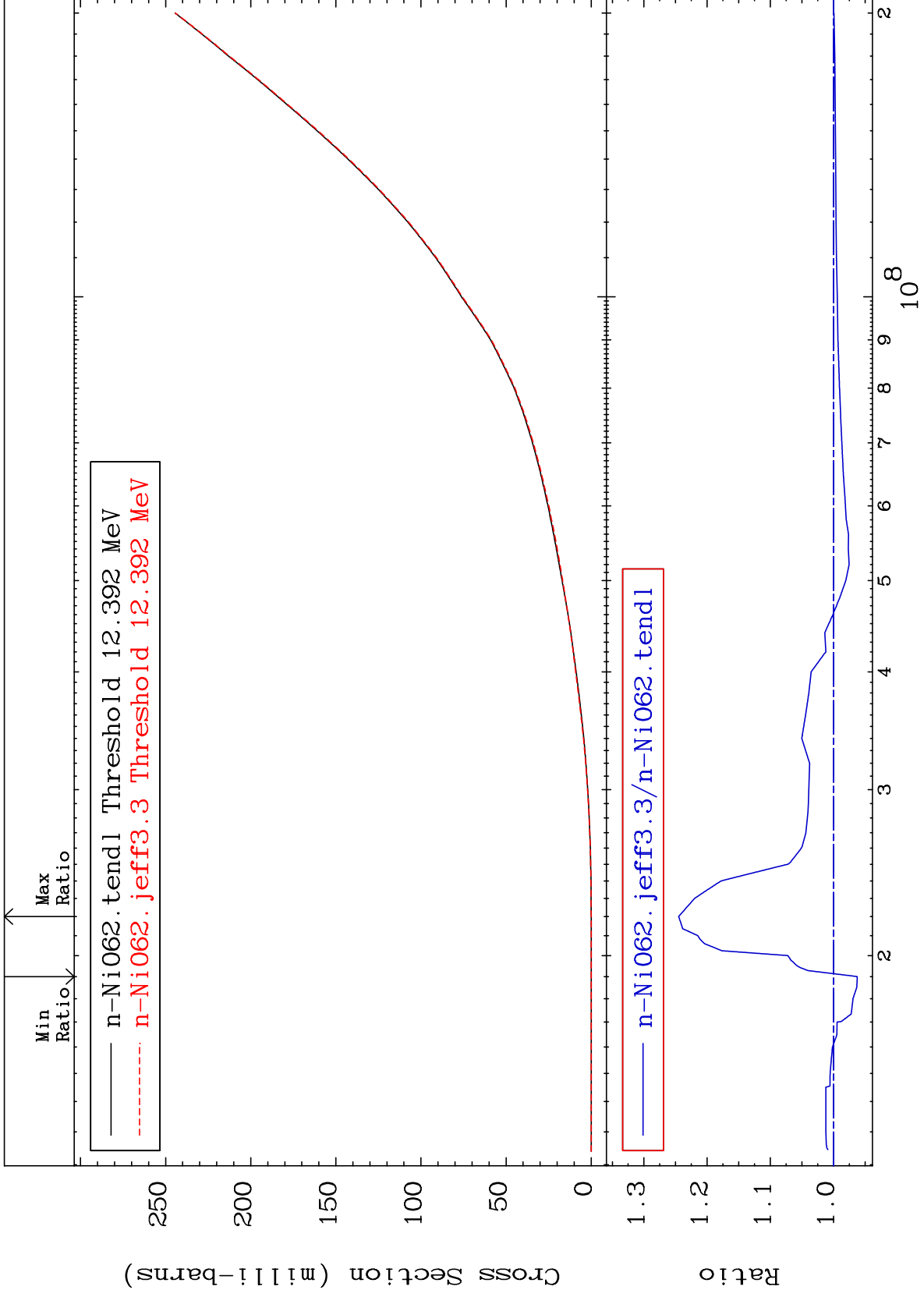
28-Ni-62
-10.35 To 1.110 %

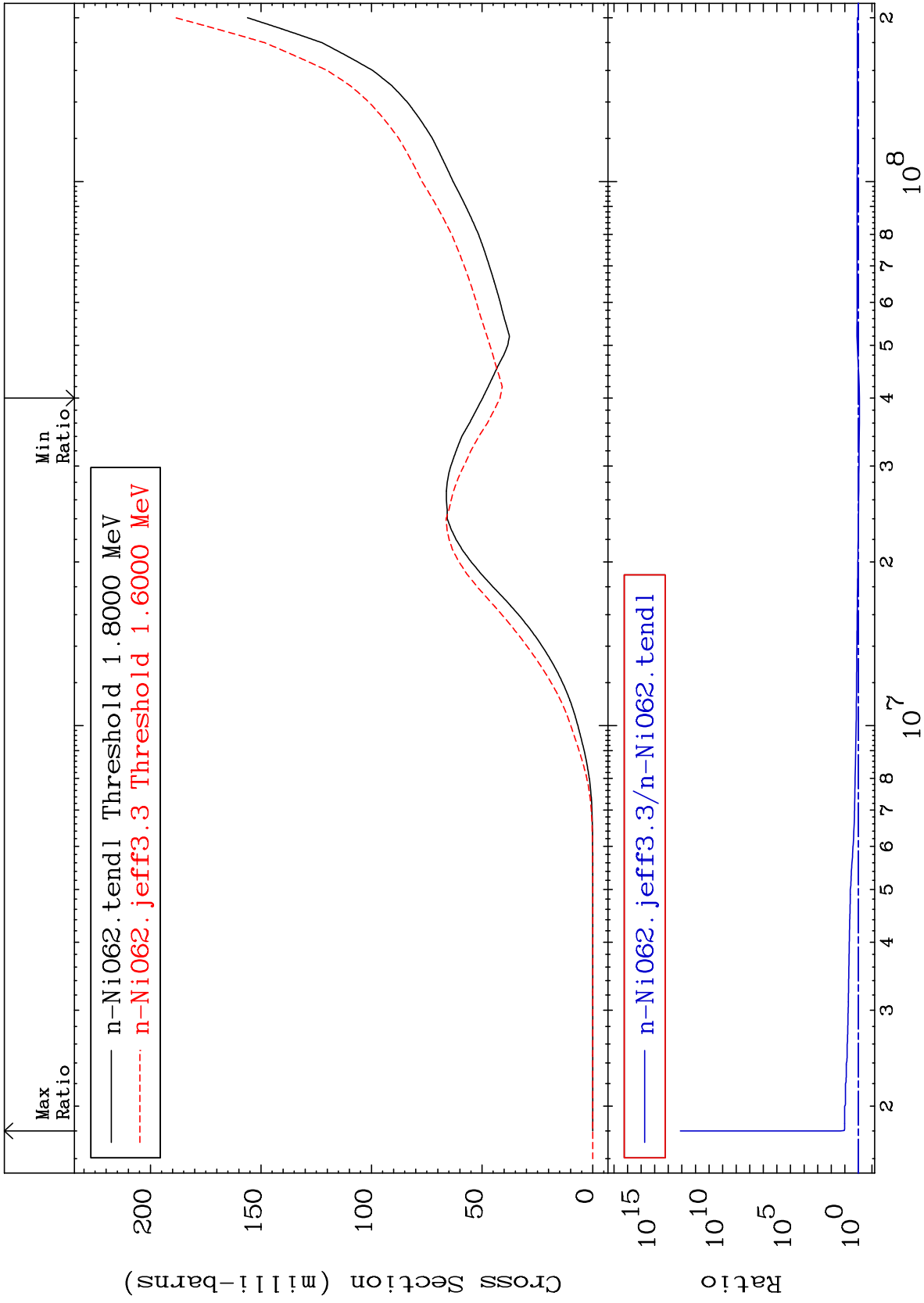


MAT 2837

He-3 Production
Cross Section

28-Ni-62
-3.757 To 24.51 %

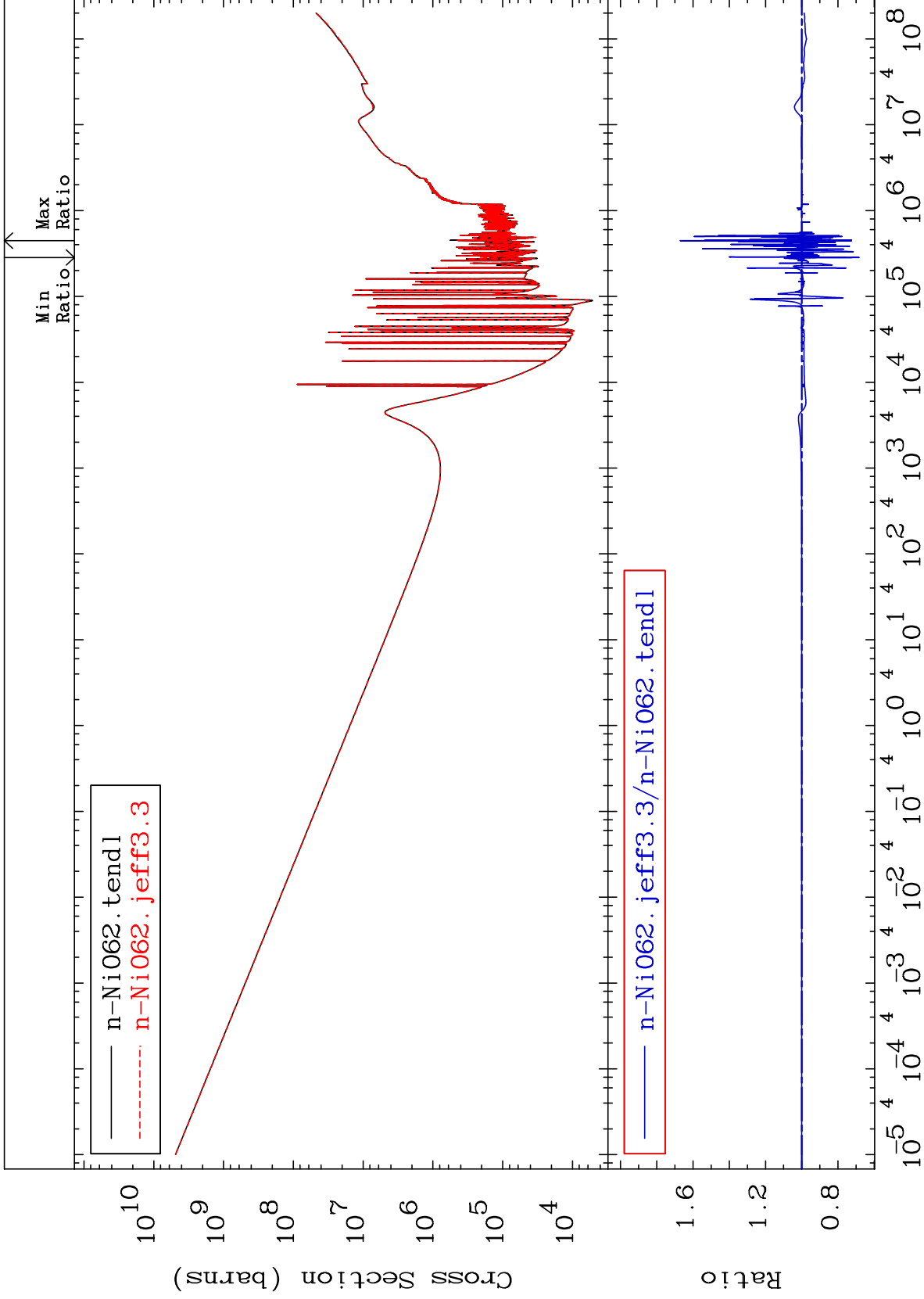




MAT 2837

Kerma total (eV-barns)
Cross Section

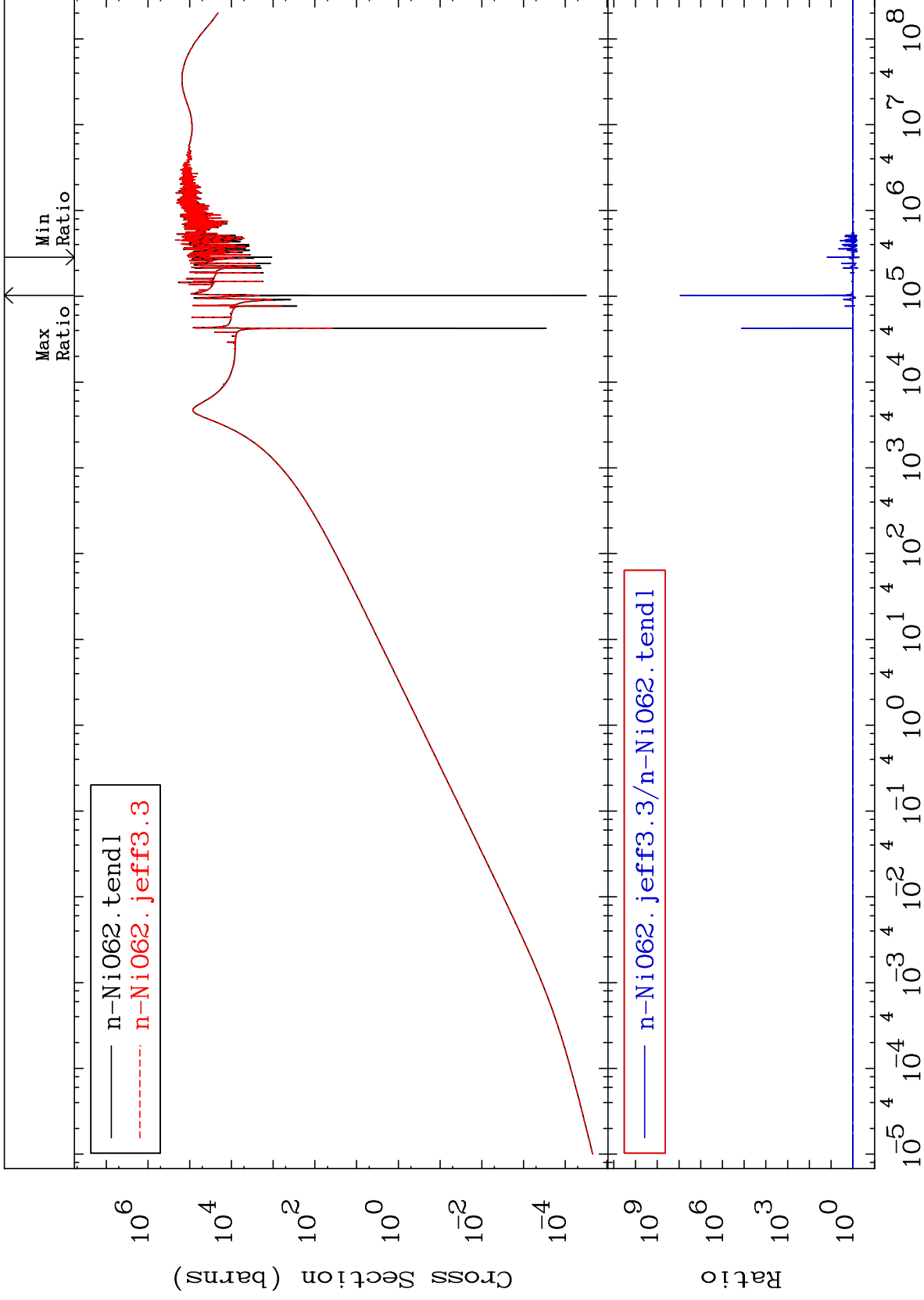
28-Ni-62
-31.82 To 66.97 %

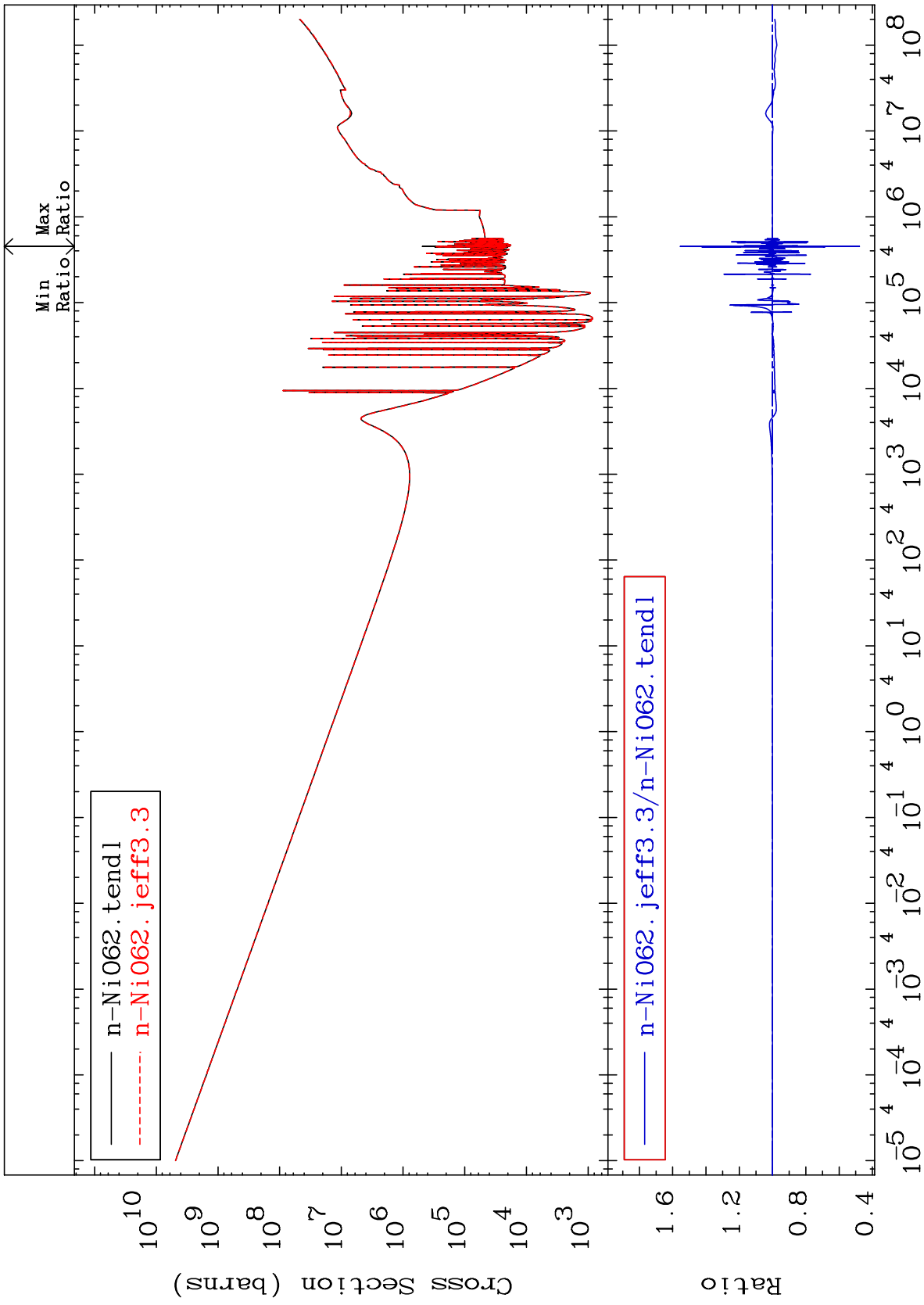


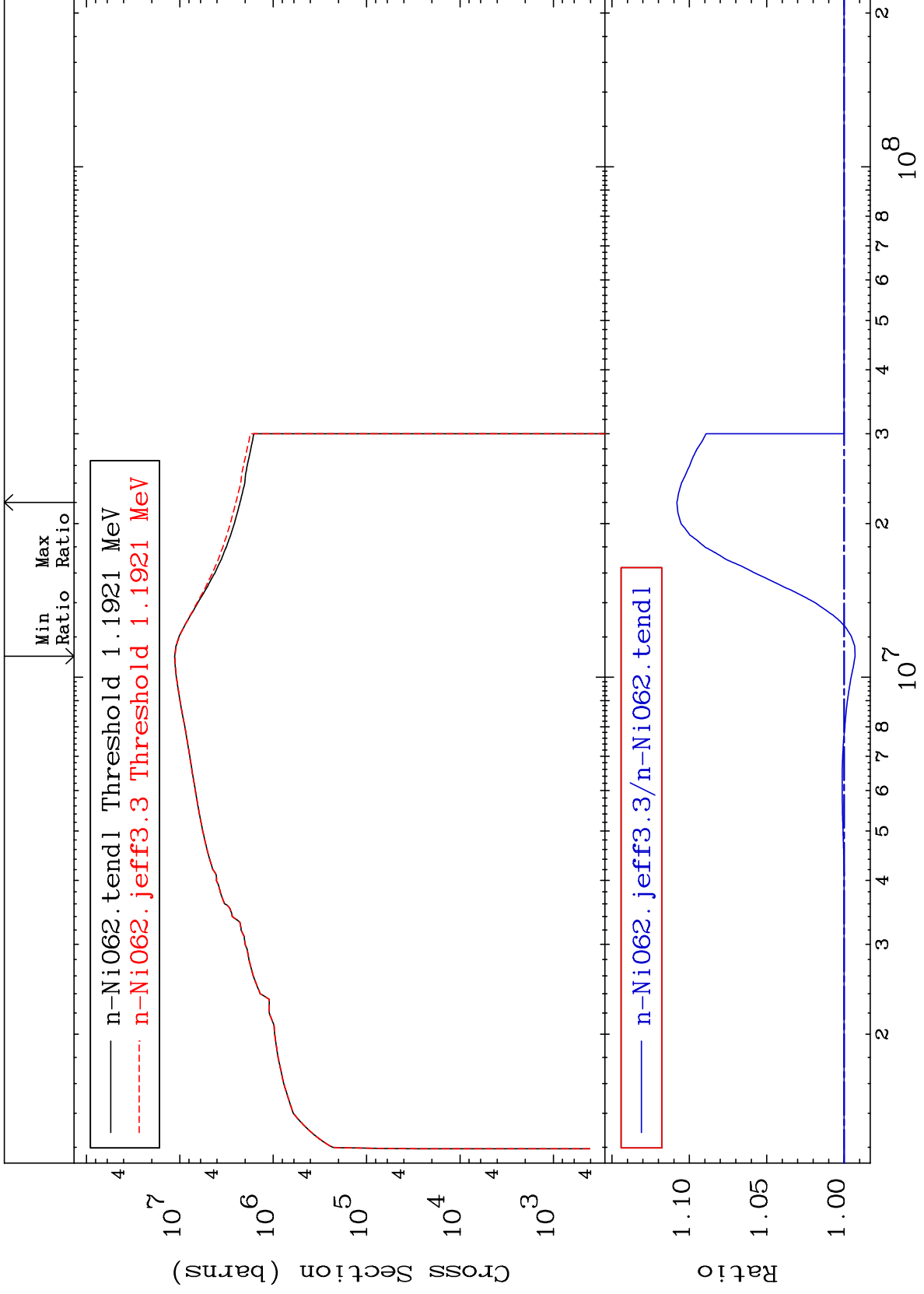
67

Incident Energy (eV)

28-Ni-62



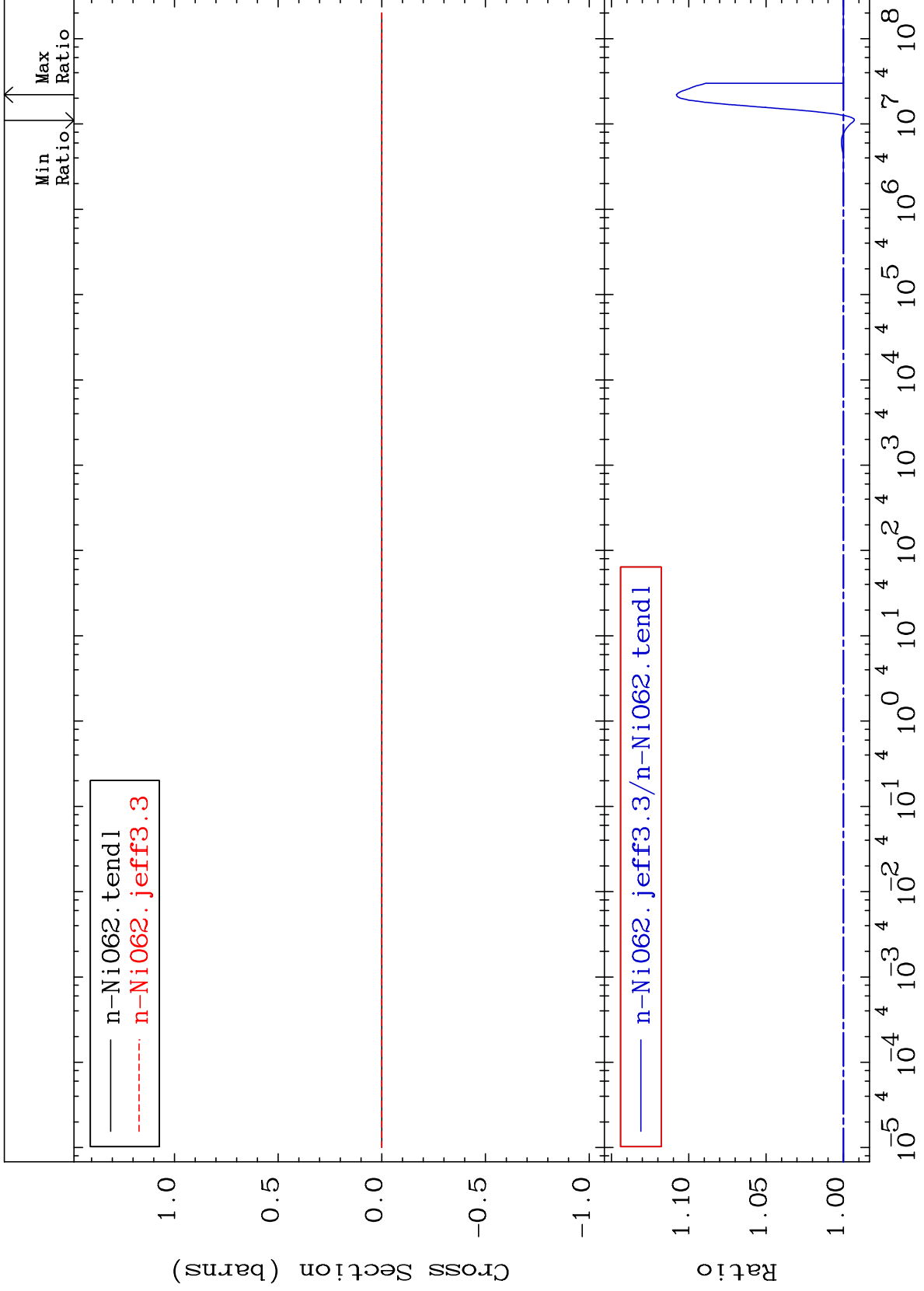




MAT 2837

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

28-Ni-62
-0.706 To 10.80 %



71

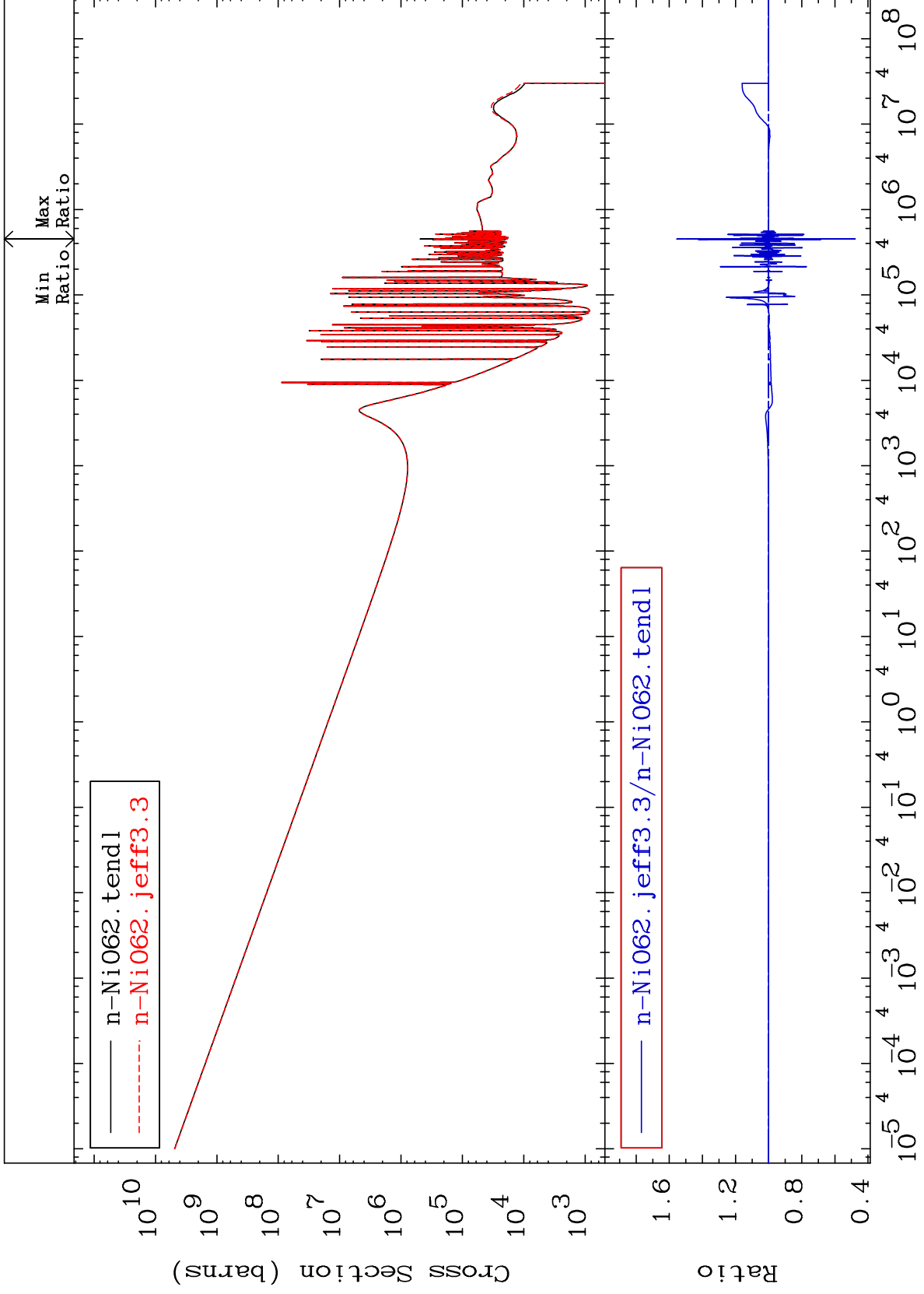
Incident Energy (eV)

28-Ni-62

MAT 2837

Kerma capture (mt102)
Cross Section

28-Ni-62
-52.20 To 55.39 %



72

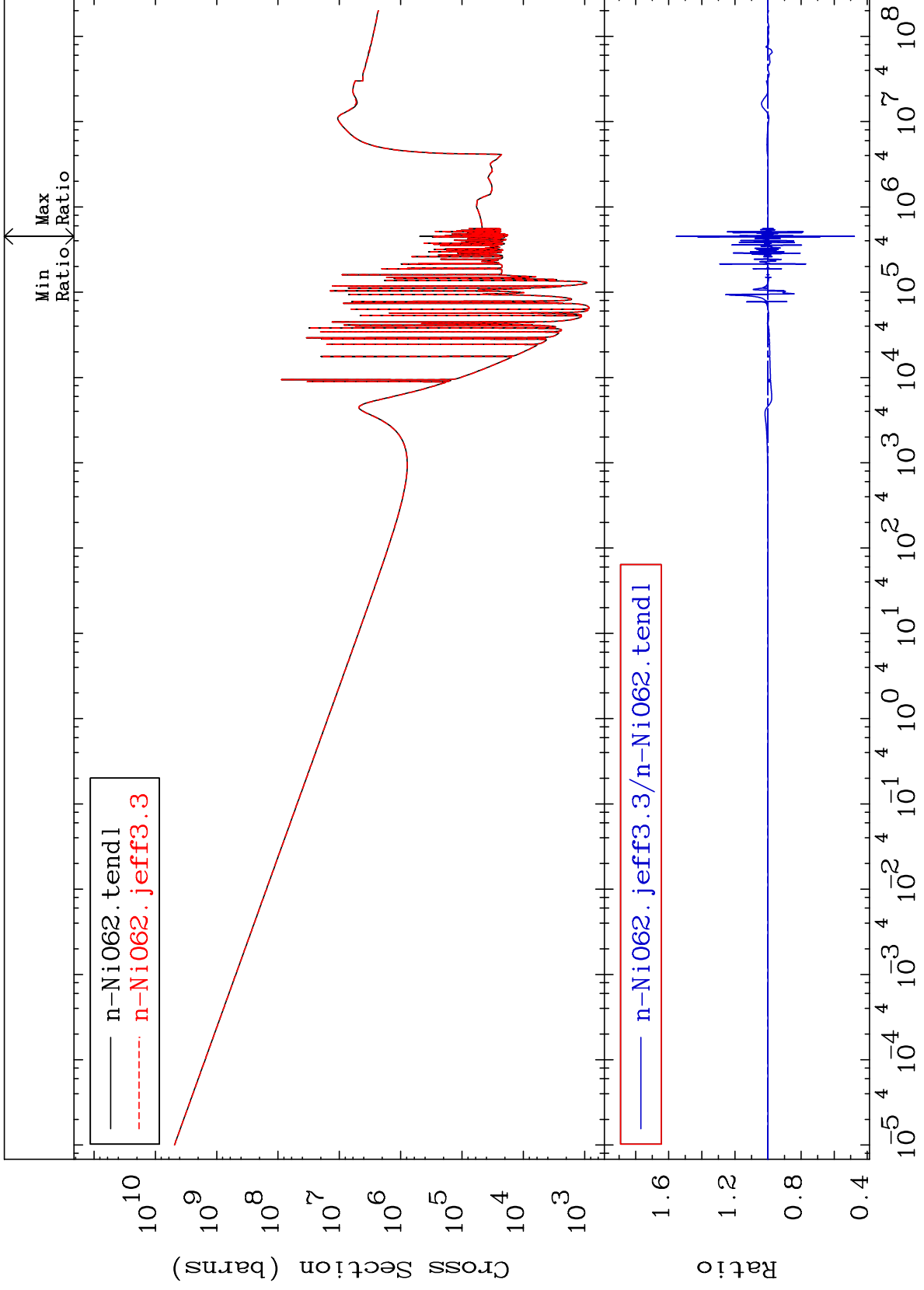
Incident Energy (eV)

28-Ni-62

MAT 2837

Total photon (eV-barns)
Cross Section

28-Ni-62
-52.20 To 55.39 %



73

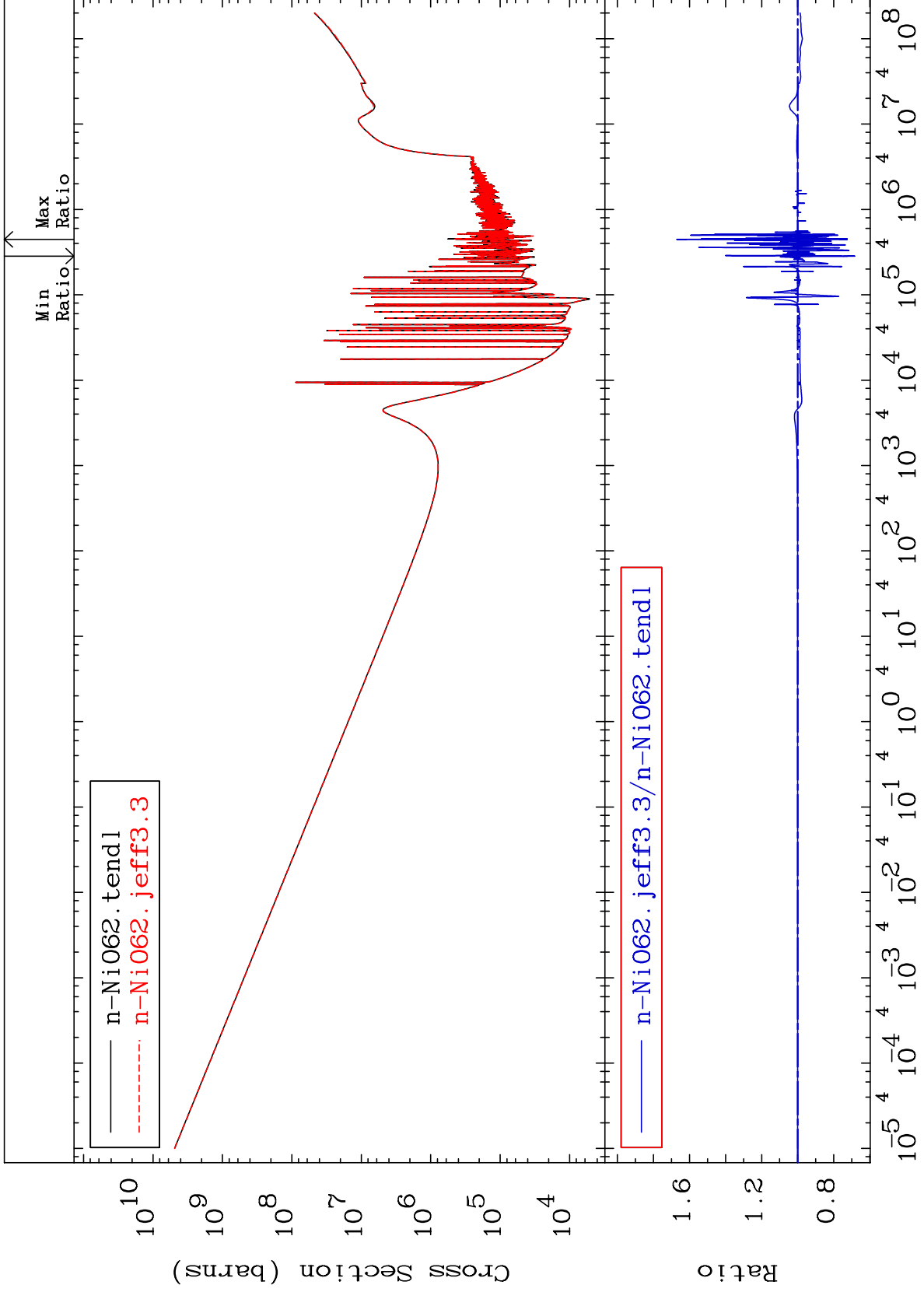
Incident Energy (eV)

28-Ni-62

MAT 2837

Total kinematic kerma (high limit)
Cross Section

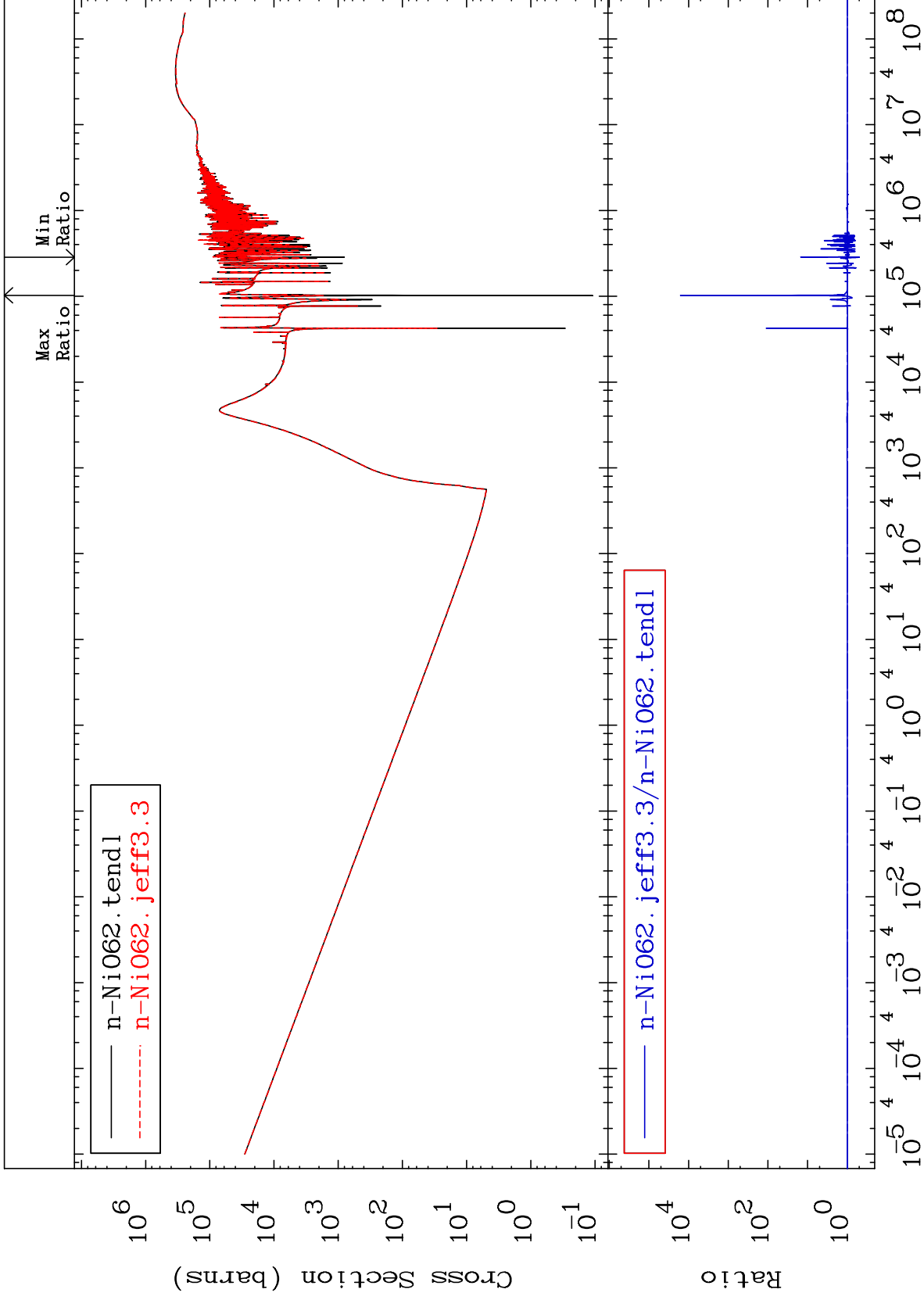
28-Ni-62
-31.82 To 66.97 %

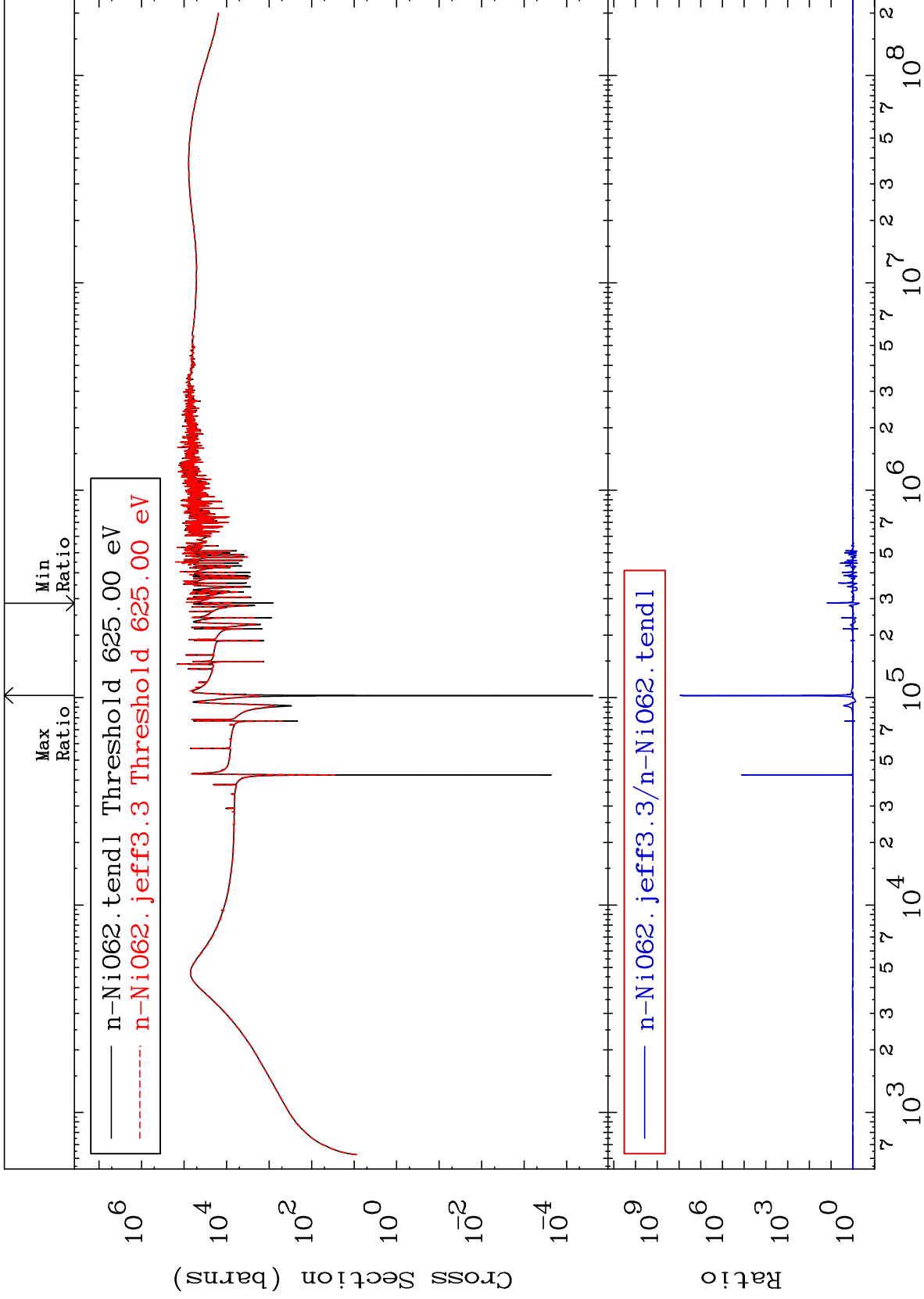


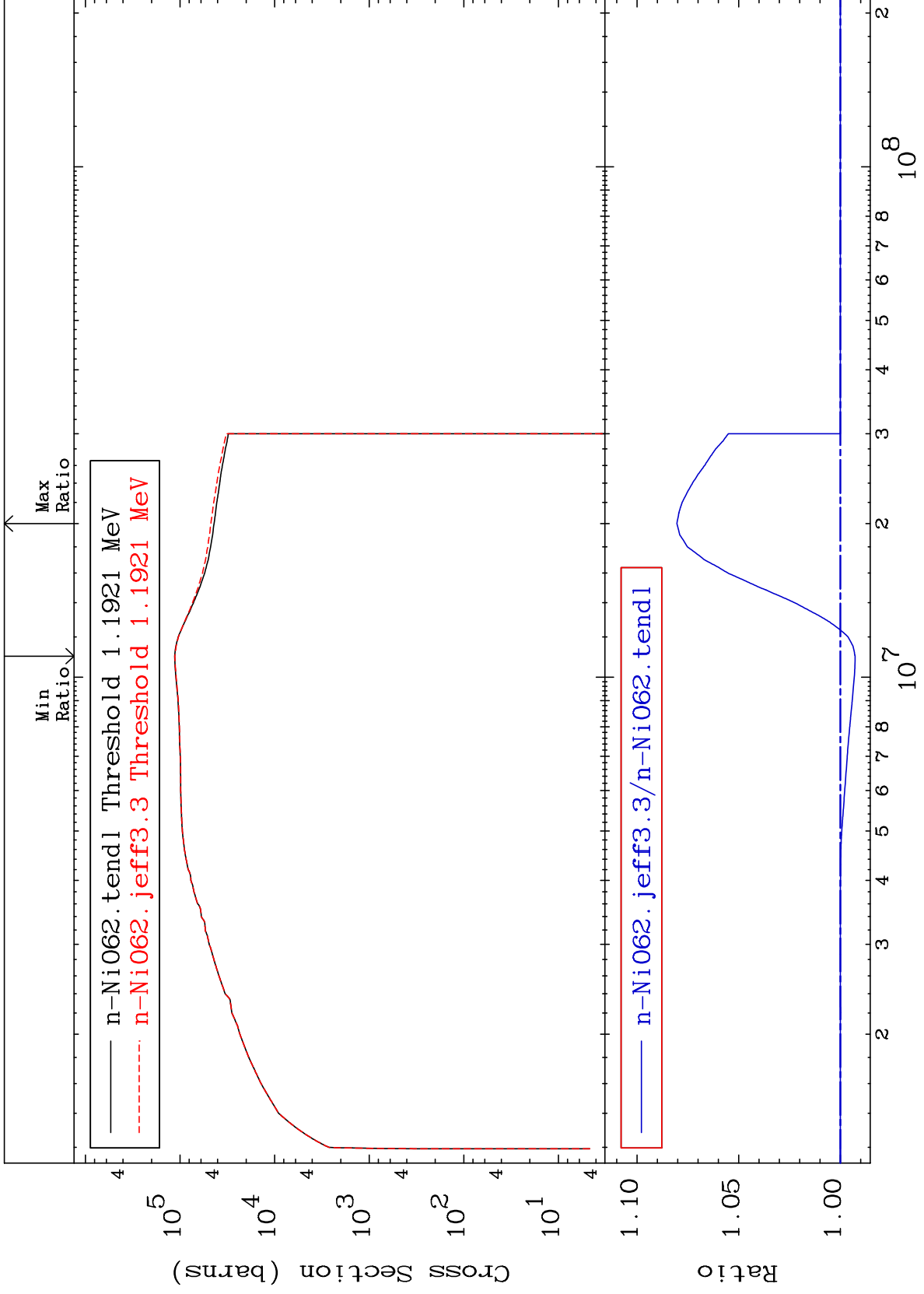
74

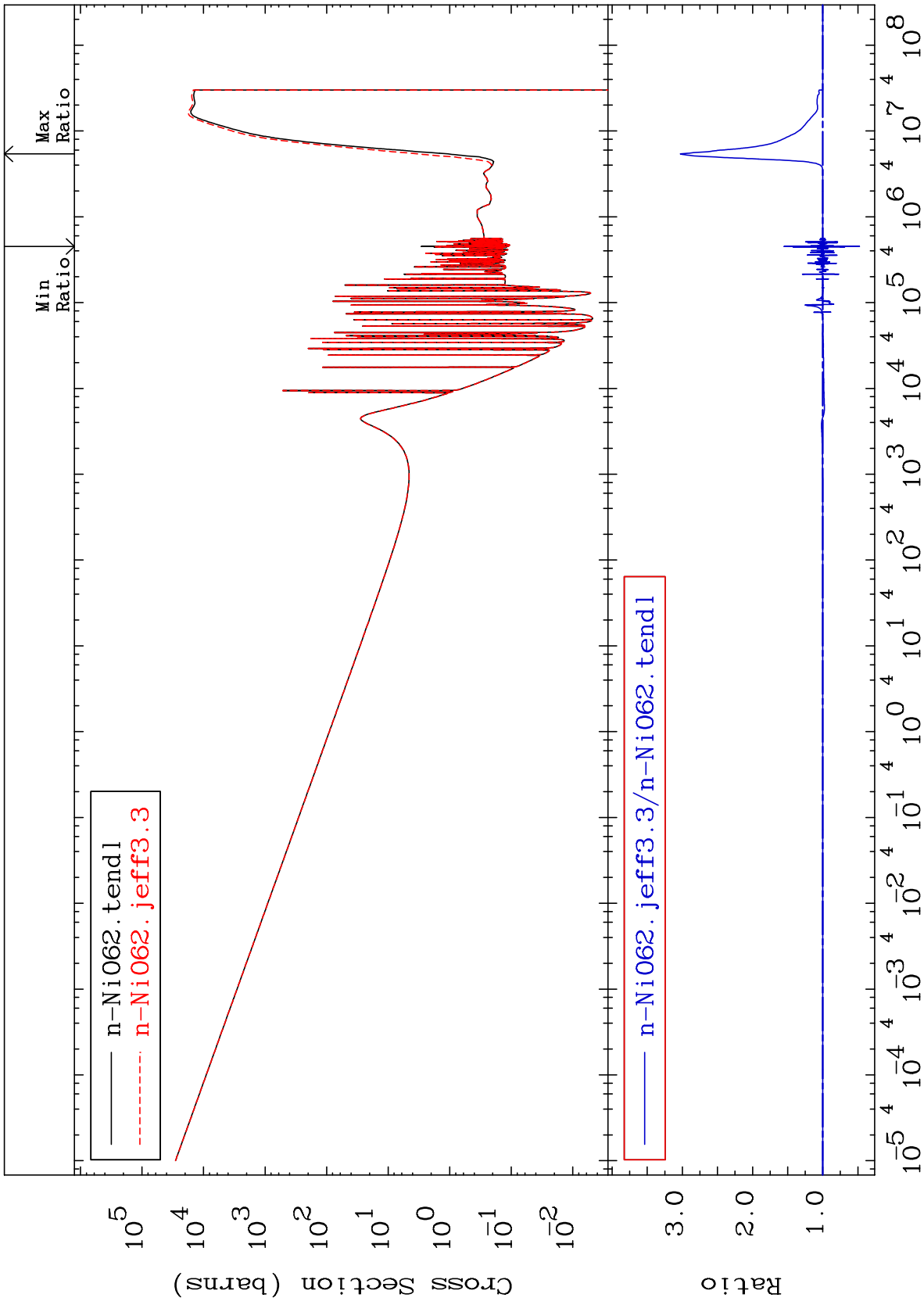
Incident Energy (eV)

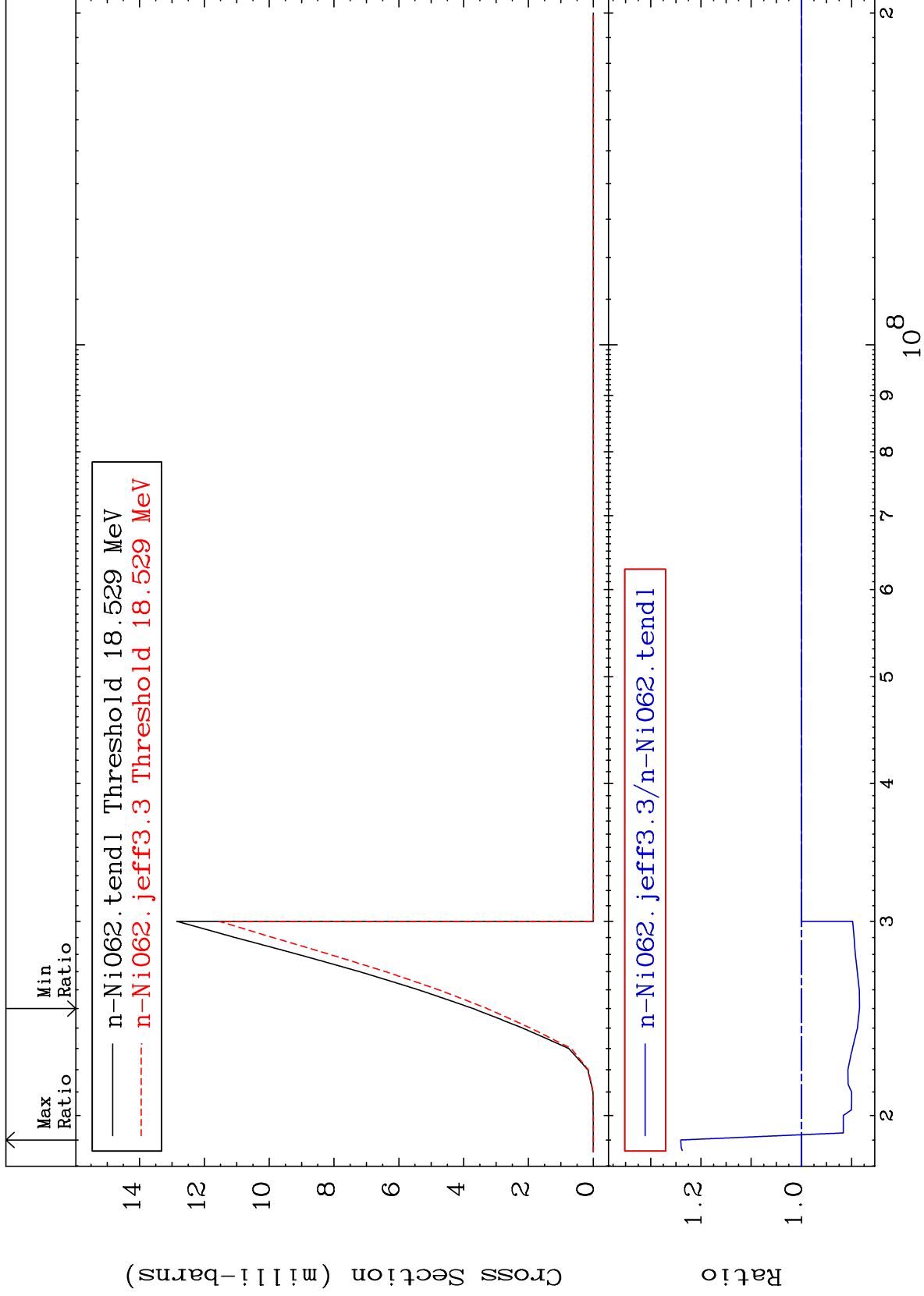
28-Ni-62



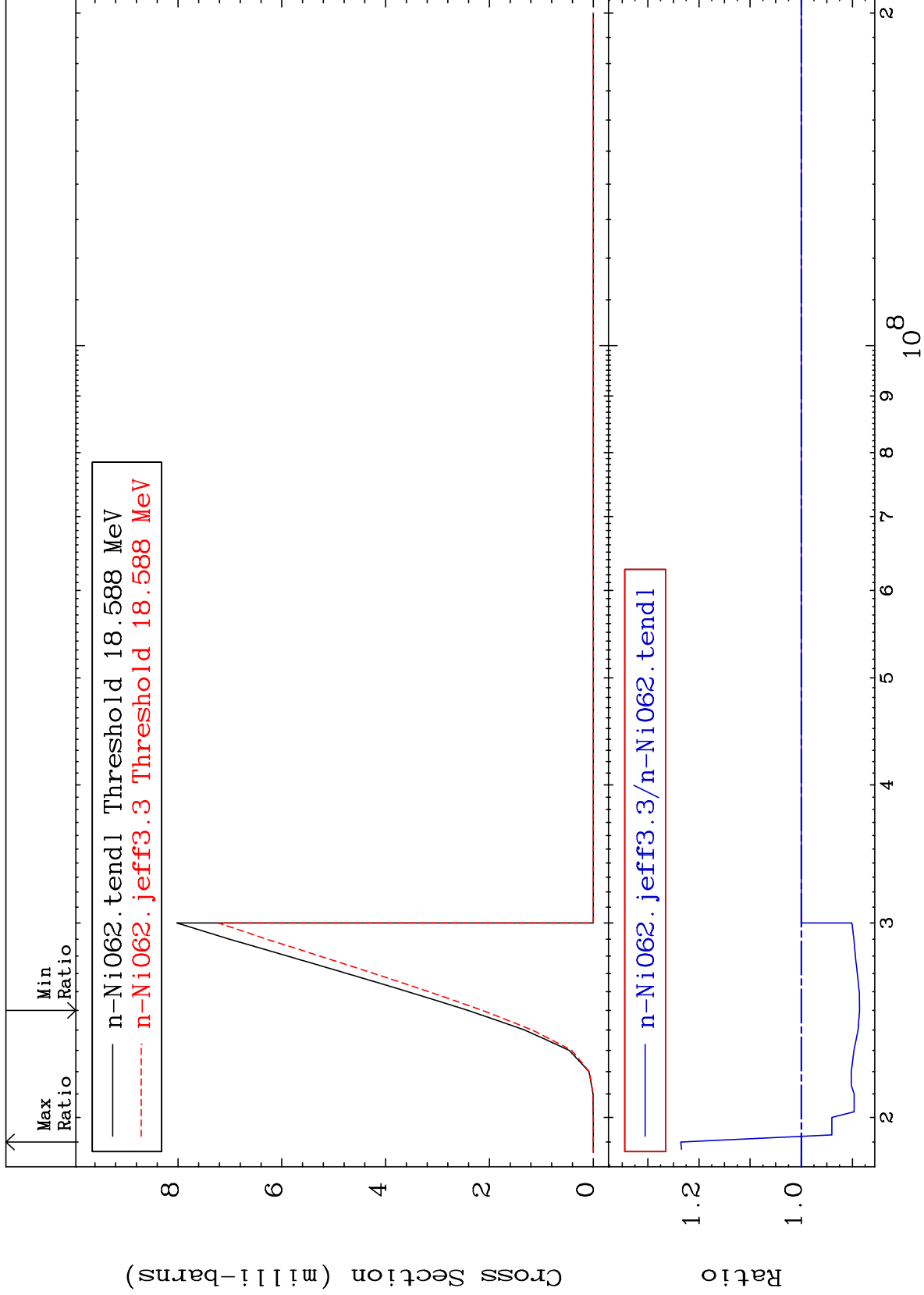


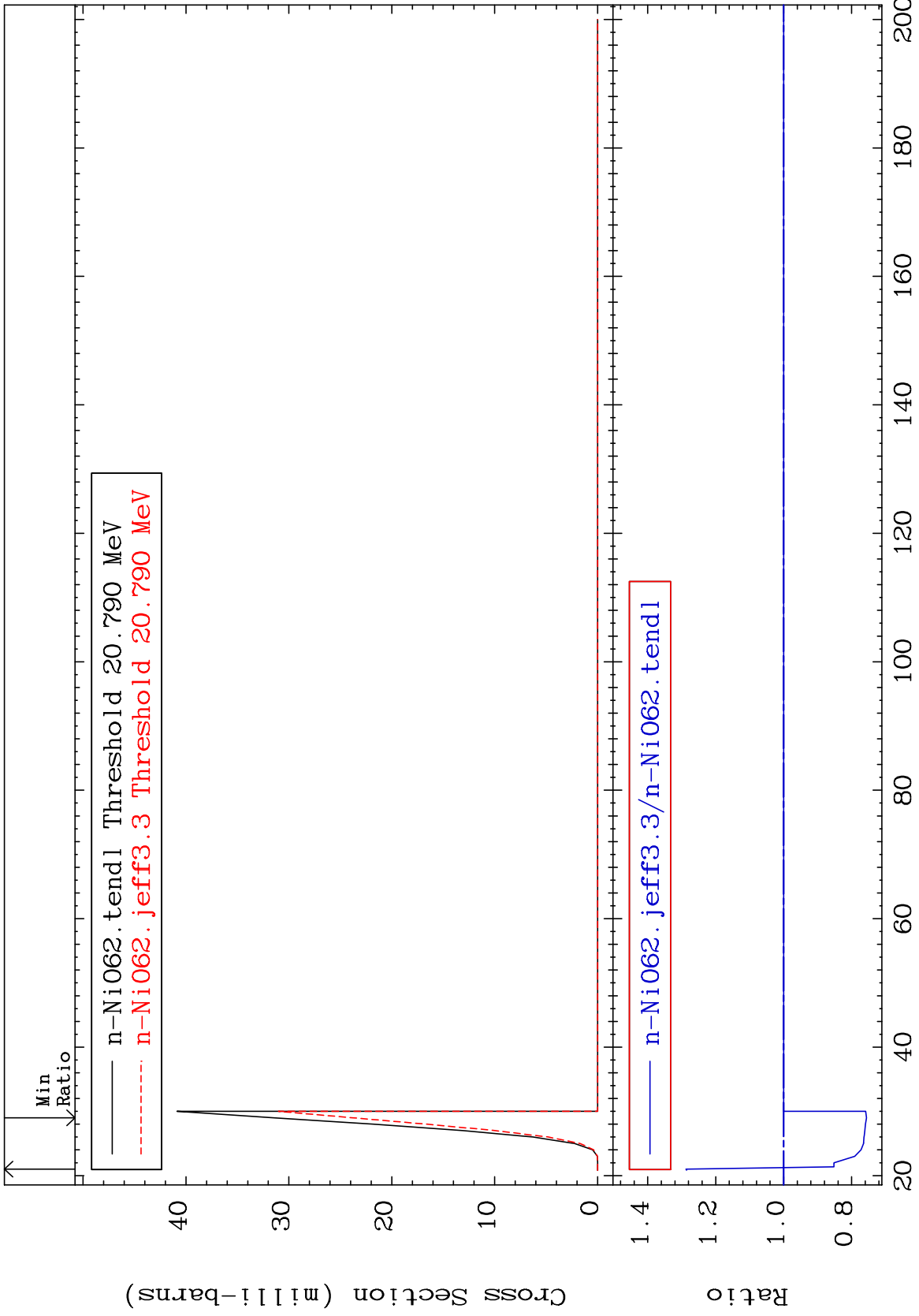






Radionuclide Production Cross Section -11.40 To 23.56 %





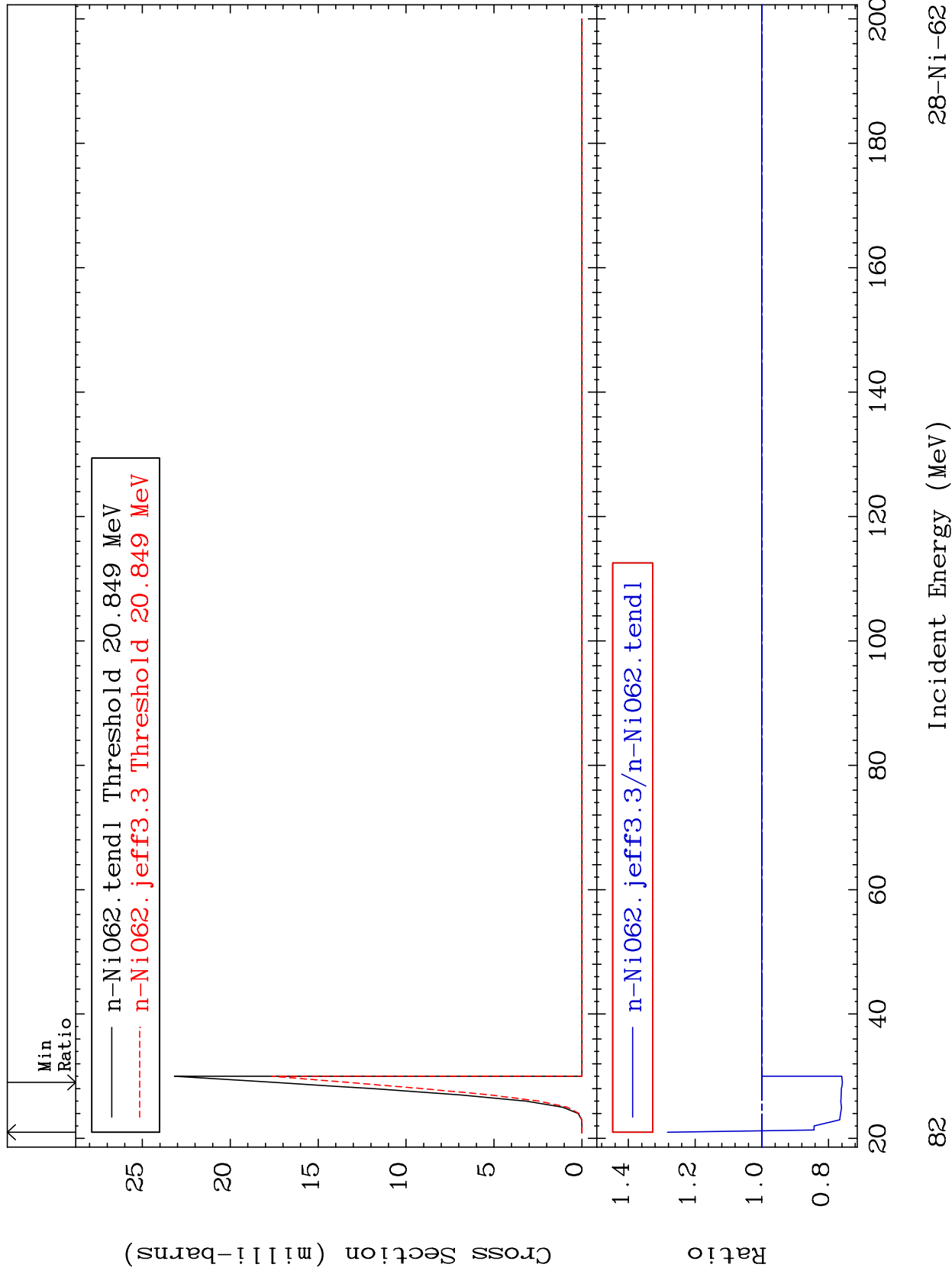
MAT 2837

(n,2n) p:27-Co-60m1

28-Ni-62

Radionuclide Production Cross Section

-24.15 To 28.27 %

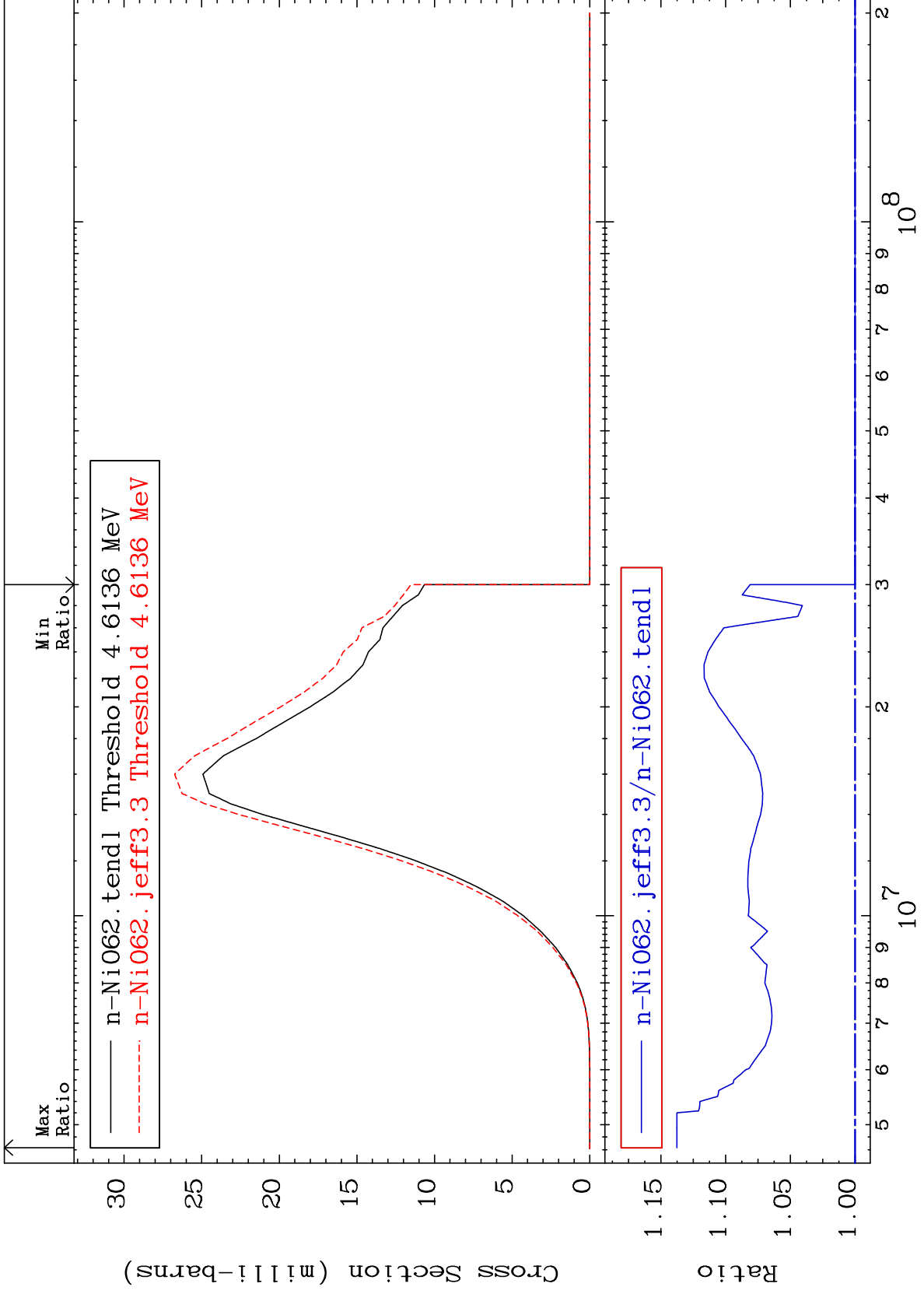


MAT 2837

(n, p):27-Co-62g

28-Ni-62

Radionuclide Production Cross Section 0.000 To 13.76 %

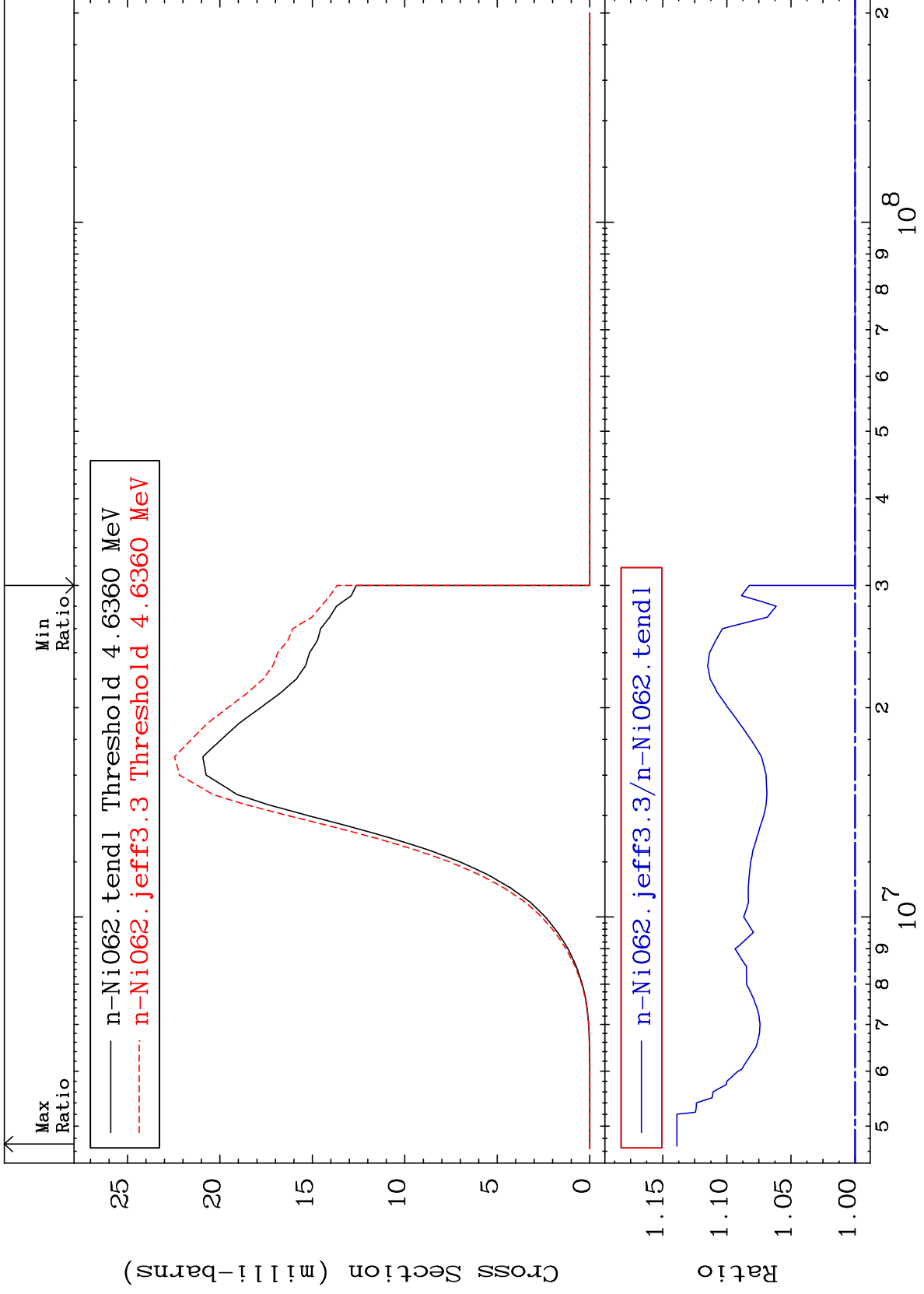


MAT 2837

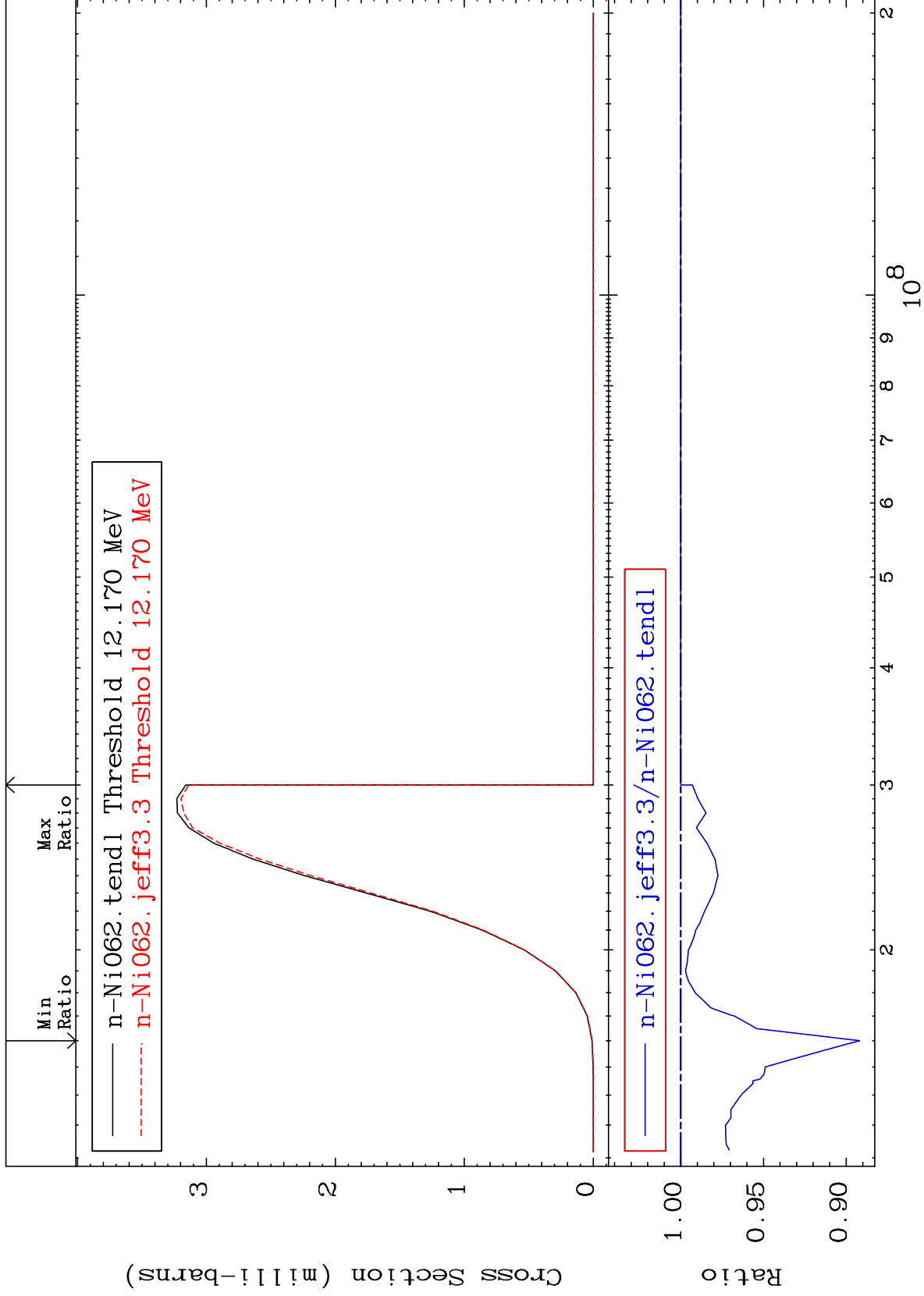
(n, p) : 27-Co-62m1

28-Ni-62

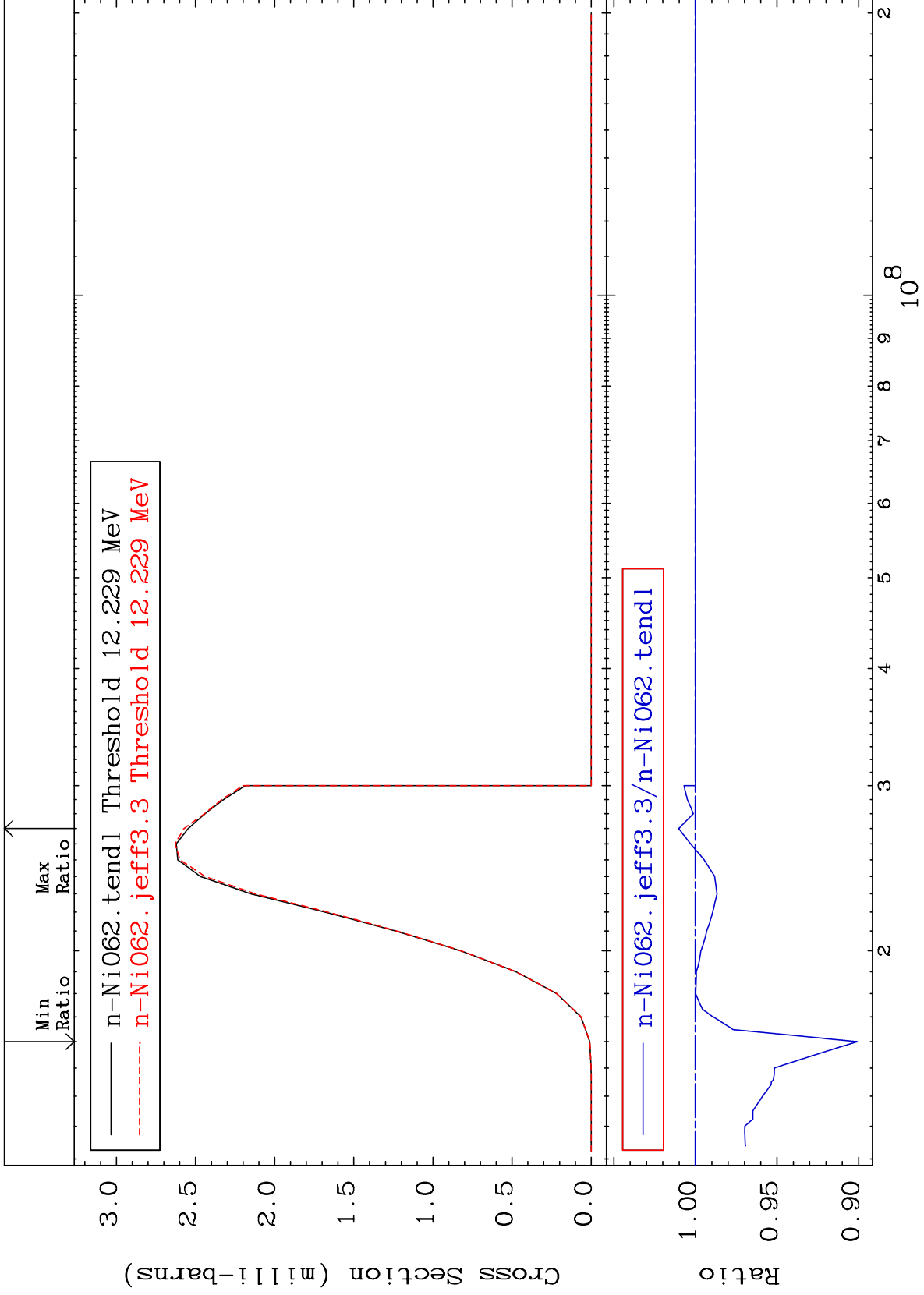
Radionuclide Production Cross Section 0.000 To 13.89 %

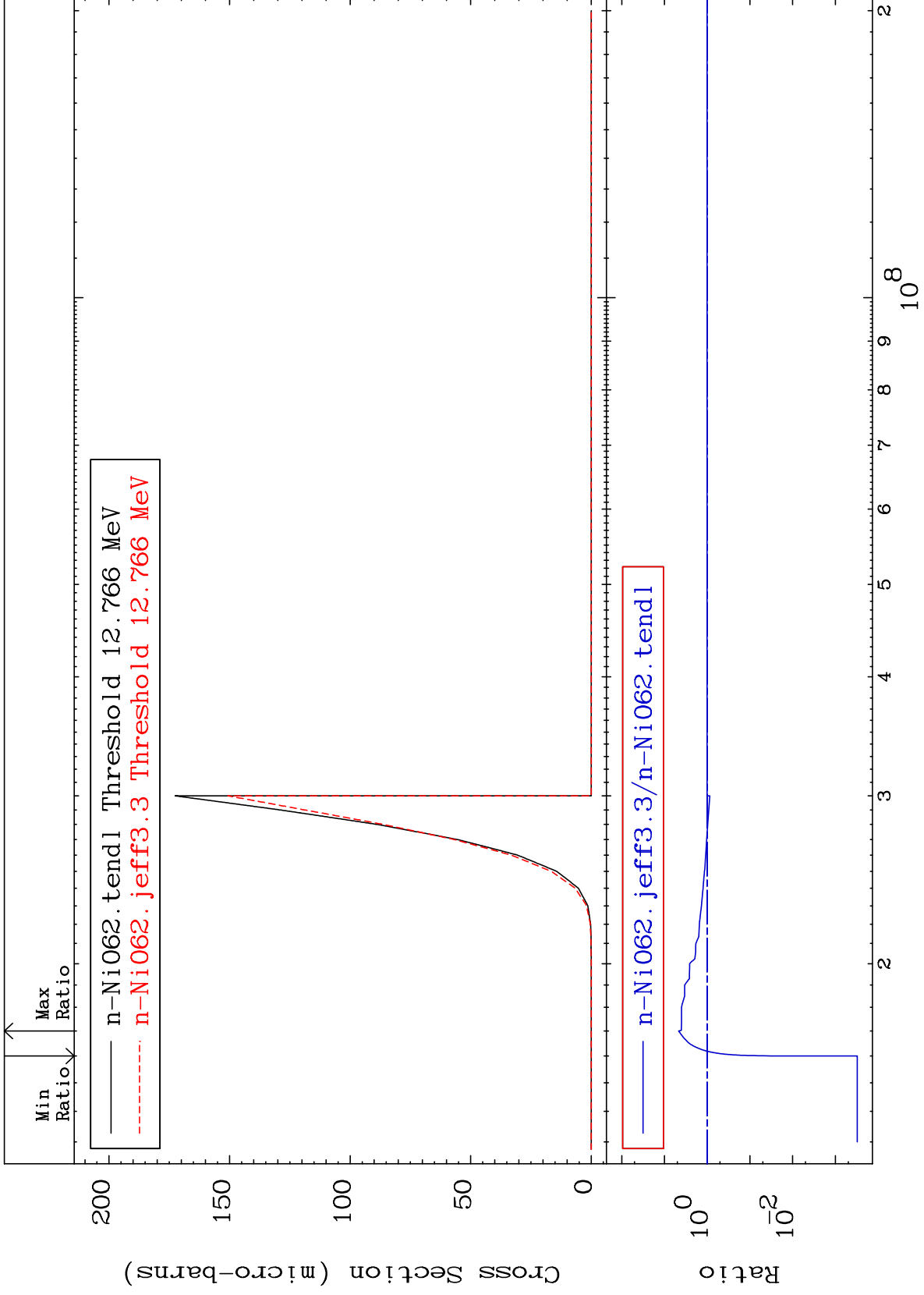


Radionuclide Production Cross Section -10.80 To 0.000 %



Radionuclide Production Cross Section -9.915 To 1.032 %





Radionuclide Production Cross Section -12.35 To 371.7 %

